811 Consolidated Service Invoice/Statement

Functional Group ID= ${f CI}$

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Consolidated Services Invoice/Statement Transaction Set (811) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set provides for the billing of complex and structured service invoice detail. This standard can be used by organizations who are interested in sending or receiving either consolidated or standalone invoices for service arrangements which require processing other than that done for the typical product invoice. The Consolidated Services Invoice/Statement can be used as a credit/debit memo to differentiate between payable invoice items and information-only memo items. This transaction set should not be used as a standalone notification of a credit/debit adjustment.

Notes:

- 1. Use this transaction set to transmit telecommunication consolidated service invoices to a Federal Government activity responsible for initiating the payment. This implementation convention may also be used within the federal government to transmit all or portions of the invoice to other subordinate activities for repayment to the activity or for information.
- 2. Use a single occurrence of this transaction to invoice or provide adjustments for one or more deliveries or service performances, provided to the Federal Government on one or more shipments.
- 3. Use to transmit commercial consolidated service invoice data only from one invoice preparing party to one invoice receiving party.
- 4. The appendix to this implementation convention contains the hierarchical structure for telecommunication invoices to the federal government.
- 5. The procedures and models for this implementation convention are contained in the Telecommunication Industry Forum (TCIF) EDI Guidelines Customer Services Issue 7 (3050).

Heading:

	Pos.	Seg.		Req.		Loop	Notes and
	No.	<u>ID</u>	<u>Name</u>	Des.	Max.Use	Repeat	Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BIG	Beginning Segment for Invoice	M	1		
	030	NTE	Note/Special Instruction	O	100		
	040	CUR	Currency	O	1		
	050	REF	Reference Numbers	O	>1		
	060	PER	Administrative Communications Contact	O	3		
	070	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
	080	DTM	Date/Time Reference	O	10		

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090	TXI	Tax Information	O	>1		
		LOOP ID - N1			>1	
100	N1	Name	O	1		
110	N2	Additional Name Information	O	2		
120	N3	Address Information	O	2		
130	N4	Geographic Location	O	1		
140	REF	Reference Numbers	O	12		
150	PER	Administrative Communications Contact	O	3		

Detail:

Pos.	Seg. <u>ID</u>	<u>Name</u>	Req. <u>Des.</u>	Max.Use	Loop <u>Repeat</u>	Notes and Comments
		LOOP ID - HL			>1	
010	HL	Hierarchical Level	M	1		n1
		LOOP ID - LX			>1	
020	LX	Assigned Number	O	1		
025	VEH	Vehicle Information	O	1		
030	SI	Service Characteristic Identification	O	8		
040	PID	Product/Item Description	O	200		
045	MEA	Measurements	O	20		
050	REF	Reference Numbers	O	>1		
060	AMT	Monetary Amount	O	5		
070	DTM	Date/Time Reference	O	4		
080	TXI	Tax Information	O	>1		
		LOOP ID - QTY			10	
090	QTY	Quantity	O	1		
100	SI	Service Characteristic Identification	O	1		
		LOOP ID - NM1			1	
110	NM1	Individual or Organizational Name	O	1		n2
120	N2	Additional Name Information	O	2		
130	N3	Address Information	O	2		
140	N4	Geographic Location	O	1		
150	REF	Reference Numbers	O	2		
160	PER	Administrative Communications Contact	O	>1		
170	TXI	Tax Information	O	>1		
		LOOP ID - ITA		-	>1	
180	ITA	Allowance, Charge or Service	О	1		
190	DTM	Date/Time Reference	O	1		
200	TXI	Tax Information	O	>1		
		LOOP ID - IT1		-	999999	
210	IT1	Baseline Item Data (Invoice)	О	1		n3
220	SI	Service Characteristic Identification	O	2		
230	PID	Product/Item Description	O	200		
225	MEA		O	20		
233	141111					
235	INC	Installment Information	O	1		
	No. 010 020 025 030 040 045 050 060 070 080 110 120 130 140 150 160 170 180 190 200 210 220 230	No. ID 010 HL 020 LX 025 VEH 030 SI 040 PID 045 MEA 050 REF 060 AMT 070 DTM 080 TXI 090 QTY 100 SI 110 NM1 120 N2 130 N3 140 N4 150 REF 160 PER 170 TXI 180 ITA 190 DTM 200 TXI 210 IT1 220 SI 230 PID	No.IDName LOOP ID - HL010HLHierarchical Level LOOP ID - LX020LXAssigned Number025VEHVehicle Information030SIService Characteristic Identification040PIDProduct/Item Description045MEAMeasurements050REFReference Numbers060AMTMonetary Amount070DTMDate/Time Reference080TXITax Information LOOP ID - QTY090QTYQuantity100SIService Characteristic IdentificationLOOP ID - NMIIndividual or Organizational Name120N2Additional Name Information130N3Address Information140N4Geographic Location150REFReference Numbers160PERAdministrative Communications Contact170TXITax InformationLOOP ID - ITAITAAllowance, Charge or Service190DTMDate/Time Reference200TXITax InformationLOOP ID - ITILOOP ID - ITI210IT1Baseline Item Data (Invoice)220SIService Characteristic Identification230PIDProduct/Item Description	No. ID Name LOOP ID - HL Des. 010 HL Hierarchical Level Mode ILOOP ID - LX Mode ILOOP ID - LX 020 LX Assigned Number O 025 VEH Vehicle Information O 030 SI Service Characteristic Identification O 040 PID Product/Item Description O 045 MEA Measurements O 050 REF Reference Numbers O 060 AMT Monetary Amount O 070 DTM Date/Time Reference O 080 TXI Tax Information O 080 TXI Tax Information O 100 SI Service Characteristic Identification O 100 SI Service Characteristic Identification O 100 NMI Individual or Organizational Name O 120 N2 Additional Name Information O 130 N3 Address Information	No. ID Name LOOP ID - HL Des. Max.Use 010 HL Hierarchical Level LOOP ID - HL M 1 020 LX Assigned Number O 1 025 VEH Vehicle Information O 1 030 SI Service Characteristic Identification O 8 040 PID Product/Item Description O 200 045 MEA Measurements O 20 050 REF Reference Numbers O >1 060 AMT Monetary Amount O 5 070 DTM Date/Time Reference O 4 080 TXI Tax Information O >1 100 SI Service Characteristic Identification O 1 100 SI Service Characteristic Identification O 1 110 NMI Individual or Organizational Name O 1 120 N2 Additio	No. ID Name LOOP ID - HL Des. Max.Use Repeat Nature 1 010 HL Hierarchical Level LOOP ID - LX M 1 020 LX Assigned Number O 1 025 VEH Vehicle Information O 1 030 SI Service Characteristic Identification O 8 040 PID Product/Item Description O 20 050 REF Reference Numbers O 20 050 REF Reference Numbers O >1 060 AMT Monetary Amount O 5 070 DTM Date/Time Reference O 4 080 TXI Tax Information O >1 070 DTM Date/Time Reference O 1 080 TXI Tax Information O 1 100 QTY Quantity O 1 110 SI Service Characteristic Identification O

	260	REF	Reference Numbers	O	8		
	270	DTM	Date/Time Reference	0	10		
	280	MSG	Message Text	O	>1		
Not Used	285	AMT	Monetary Amount	O	1		
			LOOP ID - QTY			>1	
	290	QTY	Quantity	O	1		
	300	SI	Service Characteristic Identification	O	1		
			LOOP ID - ITA		<u> </u>	10	
	310	ITA	Allowance, Charge or Service	О	1		
	320	DTM	Date/Time Reference	O	1		
	330	TXI	Tax Information	O	>1		
			LOOP ID - NM1		-	>1	
	340	NM1	Individual or Organizational Name	0	1		
	350	N2	Additional Name Information	0	2		
	360	N3	Address Information	O	2		
	370	N4	Geographic Location	O	1		
	380	PER	Administrative Communications Contact	O	3		
			LOOP ID - SLN			>1	
	390	SLN	Subline Item Detail	0	1	, ,	n4
	400	SI	Service Characteristic Identification	O	2		
	410	PID	Product/Item Description	O	200		
Not Used	415	MEA	Measurements	O	20		
	420	CUR	Currency	O	1		
	430	INC	Installment Information	O	1		
	440	ITA	Allowance, Charge or Service	O	10		
	450	TXI	Tax Information	O	>1		
	460	REF	Reference Numbers	O	>1		
	470	PER	Administrative Communications Contact	O	3		
	480	DTM	Date/Time Reference	O	10		
	490	AMT	Monetary Amount	O	10		
	500	MSG	Message Text	O	>1		
			LOOP ID - QTY			>1	
	510	QTY	Quantity	O	1		
	520	SI	Service Characteristic Identification	O	1		
			LOOP ID - NM1			>1	
	530	NM1	Individual or Organizational Name	O	1		
	540	N2	Additional Name Information	O	2		
	550	N3	Address Information	O	2		
	560	N4	Geographic Location	O	1		
	570	REF	Reference Numbers	O	8		
	580	PER	Administrative Communications Contact	O	3		
			LOOP ID - TCD			>1	
	590	TCD	Itemized Call Detail	О	1		n5
	600	SI	Service Characteristic Identification	O	2		
	610	TXI	Tax Information	O	>1		
	615	ITA	Allowance, Charge or Service	O	>1		

			LOOP ID - QTY	·	·	>1	
	617	QTY	Quantity	O	1		
	618	SI	Service Characteristic Identification	О	1		
			LOOP ID - USD		,	>1	
	620	USD	Usage-Sensitive Detail	O	1		n6
	625	SI	Service Characteristic Identification	O	2		
	630	ITA	Allowance, Charge or Service	O	2		
	640	TRF	Rating Factors	O	18		
			LOOP ID - QTY			>1	
	650	QTY	Quantity	O	1		
	660	SI	Service Characteristic Identification	О	1		
			LOOP ID - III			>1	
Not Used	670	III	Information	O	1		
Not Used	680	DTP	Date or Time or Period	O	5		
Not Used	690	AMT	Monetary Amount	O	5		
Not Used	700	PCT	Percent Amounts	O	5		
			LOOP ID - LQ	·	·	>1	
Not Used	710	LQ	Industry Code	O	1		
Not Used	720	AMT	Monetary Amount	O	5		
Not Used	730	PCT	Percent Amounts	O	5		

Summary:

Must Use	Pos. <u>No.</u> 010	Seg. <u>ID</u> TDS	Name Total Monetary Value Summary	Req. <u>Des.</u> M	Max.Use	Loop <u>Repeat</u>	Notes and Comments
			LOOP ID - ITA			>1	
	020	ITA	Allowance, Charge or Service	O	1		
	030	DTM	Date/Time Reference	О	1		
Not Used	035	REF	Reference Numbers	0	5		
			LOOP ID - BAL		,	>1	
	040	BAL	Balance Detail	O	1		
	050	DTM	Date/Time Reference	О	1		
			LOOP ID - N1			>1	
	060	N1	Name	O	1		
			LOOP ID - BAL			>1	
	070	BAL	Balance Detail	O	1		
	080	DTM	Date/Time Reference	О	1		
			LOOP ID - ITA		<u> </u>	>1	
	090	ITA	Allowance, Charge or Service	O	1		
	100	DTM	Date/Time Reference	O	2		
Not Used	105	REF	Reference Numbers	O	5		
Not Used	106	CUR	Currency	O	1		
	110	CTT	Transaction Totals	0	1		n7
Must Use	120	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

- 1. Valid codes for HL03 to define levels for this transaction set are given below: 1 Service/Billing Provider (Identifies the Company Providing the Service/Billing) 2 Billing Arrangement (Identifies a Specific Billing Arrangement) 3 Sub-billing Arrangement (Identifies a More Detailed Billing Arrangement) 4 Group (Identifies a Group of Charges on the Bill) 5 Category (Identifies the Subdivision of the Group) 6 Subcategory (Identifies a Further Breakdown of the Category) 7 Type (Identifies a Further Breakdown of the Subcategory) 8 Charge Detail (Identifies the Lowest Level of Charges within a Billing Arrangement) 9 Line Detail (Identifies the Supporting Detail Associated with the Charge or Group Level) They must be used in the (hierarchical) order in which they are listed; however, certain levels are optional and may be omitted. At least one occurrence each of the service/billing provider level and group level is required.
- 2. When used for telecommunications billing, the service/billing provider level is defined by the NM1 loop.
- 3. The group level is defined by at least one occurrence of the IT1 loop which may only appear at the group level.
- **4.** The SLN loop may only appear at the charge detail level.
- **5.** The TCD loop may only appear at the line detail level.
- **6.** The USD loop may only appear at the line detail level.
- 7. The number of line items (CTT01) is the accumulation of the number of IT1 segments.

Segment: ST Transaction Set Header

Position: 010

Loop:

Level: Heading Usage: Mandatory

Max Use: 1

Purpose: To indicate the start of a transaction set and to assign a control number

Syntax Notes:

Semantic Notes: 1 The transaction set identifier (ST01) used by the translation routines of the

interchange partners to select the appropriate transaction set definition (e.g.,

810 selects the Invoice Transaction Set).

Comments:

	Ref.	Data					
	Des.	Element	<u>Name</u>		Att	ribute	es es
Must Use	ST01	143	Transaction	n Set Identifier Code	\mathbf{M}	ID	3/3
			Code unique	ely identifying a Transaction Set			
			811	X12.39 Consolidated Service Invoice	ce/Sta	temen	t
Must Use	ST02	329	Transaction	n Set Control Number	\mathbf{M}	AN	4/9
				control number that must be unique within t roup assigned by the originator for a transac			on set

Segment: BIG Beginning Segment for Invoice

Position: 020

Loop:

Level: Heading Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of an invoice transaction set and transmit identifying

numbers and dates

Syntax Notes:

Semantic Notes: 1 BIG01 is the invoice issue date.

2 BIG03 is the date assigned by the purchaser to purchase order.

3 BIG10 indicates the consolidated invoice number. When BIG07 contains code

CI, BIG10 is not used.

Comments: 1 BIG07 is used only to further define the type of invoice when needed.

			Data Ele	ment Summary			
	Ref.	Data					
	<u>Des.</u>	Element	<u>Name</u>			<u>tribut</u>	<u>es</u>
Must Use	BIG01	373	Date		M	DT	6/6
			Date (YYMMD)	(D)			
Must Use	BIG02	76	Invoice Number	r	\mathbf{M}	$\mathbf{A}\mathbf{N}$	1/22
			Identifying num	ber assigned by issuer			
				nds that this number be unique. One this number unique is to join the acc			
Not Used	BIG03	373	Date		O	DT	6/6
			Date (YYMMD)	D)			
Not Used	BIG04	324	Purchase Order	r Number	O	$\mathbf{A}\mathbf{N}$	1/22
			Identifying num	ber for Purchase Order assigned by the	order	er/pur	chaser
Not Used	BIG05	328	Release Numbe	r	O	$\mathbf{A}\mathbf{N}$	1/30
			•	ring a release against a Purchase Order volved in the transaction	previ	ously _l	placed
Not Used	BIG06	327	Change Order	Sequence Number	O	$\mathbf{A}\mathbf{N}$	1/8
			•	d by the orderer identifying a specific cransmitted transaction set	hange	e or re	vision
	BIG07	640	Transaction Ty	pe Code	O	ID	2/2
			Code specifying	the type of transaction			
			AI	Adjusted Invoice			
				1. This code is to be used only with government.	hin th	e fede	ral
				2. This code is slated for deletion trequirement is identified for its us		s a	

CD

			CD	Consolidated Debit Invoice	
			CE	Consolidated Credit Invoice	
				Indicates that the invoice is a consolidation of several detailed credit invoices; the detail, if provided, will be contained in debit memos	
			CF	Consolidated Debit Memo	
				Indicates that the invoice is a consolidated memo; actual billing invoices are summarized by this consolidated memo	; all
			CG	Consolidated Credit Memo	
				Indicates that the invoice is a consolidated memo; actual billing invoices are summarized by this consolidated memo	; all
			CI	Consolidated Invoice	
			CM	Call Detail Memo	
				Indicates that the invoice contains details of telecommunications usage that is for information not payable	and
			CN	Credit Invoice	
			CR	Credit Memo	
			DI	Debit Invoice	
			DR	Debit Memo	
			FB	Final Bill	
			FD	Consolidated Invoice, Final Bill	
				The final (last) bill for a consolidated account	
			FE	Memorandum, Final Bill	
				The final (last) bill for a non-payable invoice (me	mo)
			ME	Memorandum	
			RG	Revised Final Bill	
				Code to indicate that the last bill has been recalculated due to the receipt of delayed usage, or credits; to identify unpaid overdue final accounts, which are reissued each month	
Not Used	BIG08	353	Transaction S	Set Purpose Code O ID 2	2/2
			Code identify	ing purpose of transaction set	
			Refer to 0030	50 Data Element Dictionary for acceptable code values.	
Not Used	BIG09	306	Action Code	O ID 1	1/2
			Code indicatir	ng type of action	
Not Used	BIG10	76	Invoice Num		/22
			Identifying nu	imber assigned by issuer	

Consolidated Debit Invoice

Segment: NTE Note/Special Instruction

Position: 030

Loop:

Level: Heading Usage: Optional Max Use: 100

Purpose: To transmit information in a free-form format, if necessary, for comment or special

instruction

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Description

Syntax Notes:

Semantic Notes:

Must Use NTE02

Comments:

1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

Ref.	Data					
Des.	Element	<u>Name</u>		Att	<u>ribute</u>	<u>es</u>
NTE01	363	Note Reference C	ode	O	ID	3/3
		Code identifying th	ne functional area or purpose for which	n the	note a	applies
		GEN	Entire Transaction Set			
		INV	Invoice Instruction			
		OTH	Other Instructions			
		PRI	Priority			
		TIL	Tariff Index			
		TLF	Tariff Rule			
		TRF	Tariff Rate Footnotes			
		TSF	Tariff Section Footnotes			

A free-form description to clarify the related data elements and their content

M AN 1/80

CUR Currency **Segment: Position:** 040 Loop: Level: Heading Optional Usage: Max Use: **Purpose:** To specify the currency (dollars, pounds, francs, etc.) used in a transaction **Syntax Notes:** If CUR08 is present, then CUR07 is required. 2 If CUR09 is present, then CUR07 is required. 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required. 4 If CUR11 is present, then CUR10 is required. 5 If CUR12 is present, then CUR10 is required. If CUR13 is present, then at least one of CUR14 or CUR15 is required. 7 If CUR14 is present, then CUR13 is required. 8 If CUR15 is present, then CUR13 is required. If CUR16 is present, then at least one of CUR17 or CUR18 is required. **10** If CUR17 is present, then CUR16 is required. 11 If CUR18 is present, then CUR16 is required. 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required. 13 If CUR20 is present, then CUR19 is required. 14 If CUR21 is present, then CUR19 is required. **Semantic Notes: Comments:** See Figures Appendix for examples detailing the use of the CUR segment. **Notes:** Use this 1/CUR/040 segment to identify the currency in which payment is requested if in other than US dollars. **Data Element Summary** Daf Data

	Ref.	Data				
	Des.	Element	<u>Name</u>	Att	ribut	<u>es</u>
Must Use	CUR01	98	Entity Identifier Code	\mathbf{M}	ID	2/2
			Code identifying an organizational entity, a physical loc individual	ation	, or an	1
			PR Payer			
Must Use	CUR02	100	Currency Code	M	ID	3/3
			Code (Standard ISO) for country in whose currency the specified	char	ges ar	e
			CAD - Canadian Dollars			
			USD - USA Dollars			
			For additional values, request ISO document 4217.			
	CUR03	280	Exchange Rate	O	R	4/6
			Value to be used as a multiplier conversion factor to convalue from one currency to another	ivert	mone	tary
	CUR04	98	Entity Identifier Code	O	ID	2/2
			Code identifying an organizational entity, a physical loc	ation	, or an	1

		individual	
		PE	Payee
		PM	Party to receive paper Memo of Invoice
		RI	Remit To
		SE	Selling Party
		SJ	Service Provider
			Identifies name and address information as pertaining to a service provider for which billing is being rendered
CUR05	100	Currency Code	O ID 3/3
		Code (Standard IS specified	SO) for country in whose currency the charges are
		CAD - Canadian USD - USA Dolla	
CUR06	669	Currency Marke	t/Exchange Code O ID 3/3
		Code identifying t based	the market upon which the currency exchange rate is
		IMF	International Monetary Fund
		LNF	London (England) Exchange - First Closing
		LNS	London (England) Exchange - Second Closing
			N
		NYC	New York Foreign Exchange
		NYC PHI	New York Foreign Exchange Philadelphia Foreign Exchange
CUR07	374	PHI	Philadelphia Foreign Exchange Zurich (Switzerland) Exchange
CUR07	374	PHI ZUR Date/Time Qualif	Philadelphia Foreign Exchange Zurich (Switzerland) Exchange
CUR07	374	PHI ZUR Date/Time Qualif	Philadelphia Foreign Exchange Zurich (Switzerland) Exchange fier X ID 3/3
CUR07	374	PHI ZUR Date/Time Qualif Code specifying ty	Philadelphia Foreign Exchange Zurich (Switzerland) Exchange fier X ID 3/3 ype of date or time, or both date and time
CUR07	374	PHI ZUR Date/Time Qualif Code specifying ty 001	Philadelphia Foreign Exchange Zurich (Switzerland) Exchange fier X ID 3/3 ype of date or time, or both date and time Cancel After
CUR07	374	PHI ZUR Date/Time Qualif Code specifying ty 001 003	Philadelphia Foreign Exchange Zurich (Switzerland) Exchange fier X ID 3/3 ype of date or time, or both date and time Cancel After Invoice
CUR07	374	PHI ZUR Date/Time Qualif Code specifying ty 001 003	Philadelphia Foreign Exchange Zurich (Switzerland) Exchange fier X ID 3/3 ype of date or time, or both date and time Cancel After Invoice Effective
CUR07	374	PHI ZUR Date/Time Qualif Code specifying ty 001 003 007	Philadelphia Foreign Exchange Zurich (Switzerland) Exchange fier X ID 3/3 ype of date or time, or both date and time Cancel After Invoice Effective Effective date of exchange
CUR07	374	PHI ZUR Date/Time Qualif Code specifying ty 001 003 007	Philadelphia Foreign Exchange Zurich (Switzerland) Exchange fier X ID 3/3 ype of date or time, or both date and time Cancel After Invoice Effective Effective date of exchange Process
CUR07	374	PHI ZUR Date/Time Qualif Code specifying ty 001 003 007	Philadelphia Foreign Exchange Zurich (Switzerland) Exchange fier X ID 3/3 ype of date or time, or both date and time Cancel After Invoice Effective Effective date of exchange Process Delivered
CUR07	374	PHI ZUR Date/Time Qualif Code specifying ty 001 003 007	Philadelphia Foreign Exchange Zurich (Switzerland) Exchange fier X ID 3/3 ype of date or time, or both date and time Cancel After Invoice Effective Effective date of exchange Process Delivered Contract Effective
CUR07	374	PHI ZUR Date/Time Qualif Code specifying ty 001 003 007 009 035 092 093	Philadelphia Foreign Exchange Zurich (Switzerland) Exchange fier X ID 3/3 ype of date or time, or both date and time Cancel After Invoice Effective Effective date of exchange Process Delivered Contract Effective Contract Expiration
CUR07	374	PHI ZUR Date/Time Qualif Code specifying ty 001 003 007 009 035 092 093 102	Philadelphia Foreign Exchange Zurich (Switzerland) Exchange fier X ID 3/3 ype of date or time, or both date and time Cancel After Invoice Effective Effective date of exchange Process Delivered Contract Effective Contract Expiration Issue
CUR07	374	PHI ZUR Date/Time Qualif Code specifying ty 001 003 007 009 035 092 093 102 150	Philadelphia Foreign Exchange Zurich (Switzerland) Exchange fier X ID 3/3 ype of date or time, or both date and time Cancel After Invoice Effective Effective date of exchange Process Delivered Contract Effective Contract Expiration Issue Service Period Start
CUR07	374	PHI ZUR Date/Time Qualif Code specifying ty 001 003 007 009 035 092 093 102 150 151	Philadelphia Foreign Exchange Zurich (Switzerland) Exchange fier X ID 3/3 ype of date or time, or both date and time Cancel After Invoice Effective Effective date of exchange Process Delivered Contract Effective Contract Expiration Issue Service Period Start Service Period End
CUR07	374	PHI ZUR Date/Time Qualif Code specifying ty 001 003 007 009 035 092 093 102 150 151	Philadelphia Foreign Exchange Zurich (Switzerland) Exchange fier X ID 3/3 ype of date or time, or both date and time Cancel After Invoice Effective Effective date of exchange Process Delivered Contract Effective Contract Expiration Issue Service Period Start Service Period End Effective Date of Change
CUR07	374	PHI ZUR Date/Time Qualif Code specifying ty 001 003 007 009 035 092 093 102 150 151 152	Philadelphia Foreign Exchange Zurich (Switzerland) Exchange fier X ID 3/3 ype of date or time, or both date and time Cancel After Invoice Effective Effective date of exchange Process Delivered Contract Effective Contract Expiration Issue Service Period Start Service Period End Effective Date of Change Date on which the change went into effect

	CUR08	373	Date (VVI) (VVI)	O	DT	6/6			
	CLIDAG	22=	Date (YYMMDD)	o	TM	4.00			
	CUR09	337	or HHMMSSD, or HHMMSSDD, where H = hours (00-(00-59), S = integer seconds (00-59) and DD = decimal	Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minute (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths					
Not Used	CUR10	374	Date/Time Qualifier	\mathbf{X}	ID	3/3			
			Code specifying type of date or time, or both date and time	me					
Not Used	CUR11	373	Date	X	DT	6/6			
			Date (YYMMDD)						
Not Used	CUR12	337	Time	X	TM	4/8			
			Time expressed in 24-hour clock time as follows: HHM2 or HHMMSSD, or HHMMSSDD, where H = hours (00-(00-59), S = integer seconds (00-59) and DD = decimal seconds are expressed as follows: D = tenths (0-9) and D (00-99)	-23), l secon	M = m nds; de	inutes cimal			
Not Used	CUR13	374	Date/Time Qualifier	X	ID	3/3			
			Code specifying type of date or time, or both date and time	me					
Not Used	CUR14	373	Date	X	DT	6/6			
			Date (YYMMDD)						
Not Used	CUR15	337	Time	X	TM	4/8			
			Time expressed in 24-hour clock time as follows: HHMI or HHMMSSD, or HHMMSSDD, where $H = hours$ (00-(00-59), $S = integer$ seconds (00-59) and $DD = decimal$ seconds are expressed as follows: $D = tenths$ (0-9) and $D = tenths$ (00-99)	-23), l secon	M = m nds; de	inutes cimal			
Not Used	CUR16	374	Date/Time Qualifier	X	ID	3/3			
			Code specifying type of date or time, or both date and time	me					
Not Used	CUR17	373	Date	X	DT	6/6			
			Date (YYMMDD)						
Not Used	CUR18	337	Time	\mathbf{X}	TM	4/8			
			Time expressed in 24-hour clock time as follows: HHM2 or HHMMSSD, or HHMMSSDD, where H = hours (00-(00-59), S = integer seconds (00-59) and DD = decimal seconds are expressed as follows: D = tenths (0-9) and D (00-99)	-23), l secon	M = m nds; de	inutes cimal			
Not Used	CUR19	374	Date/Time Qualifier	X	ID	3/3			
			Code specifying type of date or time, or both date and time	me					
Not Used	CUR20	373	Date	X	DT	6/6			
			Date (YYMMDD)						
Not Used	CUR21	337	Time	X	TM	4/8			

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

REF Reference Numbers **Segment:**

050 **Position:**

Loop:

Level: Heading **Usage:** Optional Max Use: >1

Purpose:

To specify identifying numbers. **Syntax Notes:** 1 At least one of REF02 or REF03 is required.

Semantic Notes:

Comments:

Data Element Summary										
	Ref.	Data								
	Des.	Element				<u>ribute</u>	<u>es</u>			
Must Use	REF01	128	Reference Number	er Qualifier	M	ID	2/2			
			Code qualifying th	e Reference Number.						
			11	Account Number						
				Number identifies a telecommunica account	tions	indust	ry			
			12	Billing Account						
				Account number under which billing	g is r	endere	d			
			14	Master Account Number						
				Account number used to represent in accounts which have been consolidate summarized			lling			
			AP	Accounts Receivable Number						
			BB	Authorization Number						
				Proves that permission was obtained service	l to p	rovide	a			
			CT	Contract Number						
			DO	Delivery Order Number						
			EH	Financial Classification Code						
			HB	Bill & Hold Invoice No.						
	REF02	127	Reference Number	er	X	AN	1/30			
				or identification number as defined for as specified by the Reference Numb						
	REF03	352	Description		X	AN	1/80			
			A free-form descri	ption to clarify the related data eleme	nts aı	nd thei	r			

Segment: **PER** Administrative Communications Contact

Position: 060

Loop:

Level: Heading Usage: Optional

Max Use: 3

Purpose: To identify a person or office to whom administrative communications should be

directed

Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.

2 If either PER05 or PER06 is present, then the other is required.

3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

			Data Elem	ent Summary			
	Ref.	Data					
	Des.	Element	<u>Name</u>		<u>Att</u>	<u>ribute</u>	<u>es</u>
Must Use	PER01	366	Contact Function	Code	M	ID	2/2
			Code identifying the	he major duty or responsibility of the	perso	n or g	roup
			named				
			CC	Computer Systems Contact			
	PER02	93	Name		O	AN	1/35
			Free-form name				
	PER03	365	Communication 1	Number Qualifier	\mathbf{X}	ID	2/2
			Code identifying the	he type of communication number			
			AU	Defense Switched Network			
			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)				
				This code is to be used only within government.	the f	ederal	!
			EM	Electronic Mail			
			FX	Facsimile			
			TE	Telephone			
	PER04	364	Communication 1	Number	\mathbf{X}	AN	1/80
			Complete communapplicable	nications number including country or	area	code	when
	PER05	365	Communication 1	Number Qualifier	\mathbf{X}	ID	2/2
			Code identifying the	he type of communication number			
			AU	Defense Switched Network			
				Department of Defense telecommur and successor of the Automatic Voi (AUTOVON)		•	

				This code is to be used only withing government.	n the j	federa	l		
			EM	Electronic Mail					
			FX	Facsimile					
			TE	Telephone					
	PER06	364	Communicat	Communication Number		AN	1/80		
			Complete con applicable	nmunications number including country of	or area	code	when		
	PER07	365	Communicat	ion Number Qualifier	\mathbf{X}	ID	2/2		
			Code identifying the type of communication number						
			See codes in	PER05.					
	PER08	364	Communicat	ion Number	X	AN	1/80		
			Complete con applicable	nmunications number including country of	or area	code	when		
Not Used	Not Used PER09	443	Contact Inqu	iiry Reference	O	AN	1/20		
			Additional ref	ference number or description to clarify a	conta	ct nun	nber		

ITD Terms of Sale/Deferred Terms of Sale **Segment: Position:** 070 Loop: Level: Heading **Usage:** Optional Max Use: **Purpose:** To specify terms of sale **Syntax Notes:** If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required. 2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required. 3 If ITD09 is present, then at least one of ITD10 or ITD11 is required. **Semantic Notes:** 1 ITD15 is the percentage applied to a base amount used to determine a late payment charge. If the code in ITD01 is "04", then ITD07 or ITD09 is required and either **Comments:** 1 ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or

Notes: To specify due data and late payment terms.

ITD07 is required.

	Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>	·	<u>At</u>	<u>tribut</u>	e <u>s</u>	
	ITD01	336	Terms Type Cod	e	O	ID	2/2	
			Code identifying t	type of payment terms				
			03	Fixed Date				
			10	Instant				
			18	Fixed Date, Late Payment Penalty A	Appli	es		
				Sales terms specifying a past due date payment percentage penalty applies balances past this due date				
	ITD02	333	Terms Basis Date	e Code	O	ID	1/2	
			Code identifying t	the beginning of the terms period				
			3	Invoice Date				
			5	Invoice Receipt Date				
	ITD03	338	Terms Discount	Percent	O	R	1/6	
			_	ercentage, expressed as a percent, ava- voice is paid on or before the Terms D				
Not Used	ITD04	370	Terms Discount	Due Date	\mathbf{X}	DT	6/6	
			Date payment is d	lue if discount is to be earned				
Not Used	ITD05	351	Terms Discount	Days Due	X	N0	1/3	
			•	Number of days in the terms discount period by which p terms discount is earned				
	ITD06	446	Terms Net Due I	Date	0	DT	6/6	
			Date when total invoice amount becomes due					
			Date after which	Late Payment Charge applies.				

Not Used	ITD07	386	Terms Net D	Days	o	N0	1/3
			Number of da	ays until total invoice amount is due (disco	ount n	ot app	licable)
Not Used	ITD08	362	Terms Disco	ount Amount	O	N2	1/10
			Total amount	t of terms discount			
	ITD09	388	Terms Defer	rred Due Date	O	DT	6/6
			Date deferred	d payment or percent of invoice payable is	due		
	ITD10	389	Deferred An	nount Due	X	N2	1/10
			Deferred amo	ount due for payment			
			Put Late Pay	ment Charge here until X12 approves ad	lditio	n of IT	TD16.
	ITD11	342	Percent of In	nvoice Payable	X	R	1/5
			Amount of in	nvoice payable expressed in percent			
Not Used	ITD12	352	Description		O	$\mathbf{A}\mathbf{N}$	1/80
			A free-form of content	description to clarify the related data elem-	ents a	nd the	ir
	ITD13	765	Day of Mont	th	X	N0	1/2
				value of the day of the month between 1 a onth being referenced	and the	e maxi	mum
	ITD14	107	Payment Me	ethod Code	O	ID	1/1
			Code identify	ying type of payment procedures			
			C	Pay By Check			
			E	Electronic Payment System			
	ITD15	954	Percent		O	R	1/10
			Percentage ex	xpressed as a decimal			
			Late paymen				

DTM Date/Time Reference **Segment:**

080 **Position:**

Loop:

Level: Heading **Usage:** Optional

Max Use: 10

Purpose: To specify pertinent dates and times

Syntax Notes: At least one of DTM02 DTM03 or DTM06 is required.

If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

To specify billing period. **Notes:**

			Data Ele	ment Summary				
	Ref.	Data						
	<u>Des.</u>	Element				<u>ribute</u>		
Must Use	DTM01	374	Date/Time Qua	lifier	M	ID	3/3	
			Code specifying	type of date or time, or both date and tir	ne			
			186	Invoice Period Start				
				When the billing period covered by	an in	voice	begins	
			187	Invoice Period End				
				When the billing period covered by	an in	voice	ends	
	DTM02	373	Date		X	DT	6/6	
			Date (YYMMD)	D)				
Not Used	DTM03	337	Time		X	TM	4/8	
			or HHMMSSD, (00-59), S = inte	Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where $H = hours (00-23)$, $M = minutes (00-59)$, $S = integer seconds (00-59)$ and $DD = decimal seconds$; decimal seconds are expressed as follows: $D = tenths (0-9)$ and $DD = hundredths (00-99)$				
Not Used	DTM04	623	Time Code		0	ID	2/2	
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow					
	DTM05	624	Century		O	N0	2/2	
			The first two cha	aracters in the designation of the year (C	CYY	<i>(</i>)		
Not Used	DTM06	1250	Date Time Peri	od Format Qualifier	X	ID	2/3	
			Code indicating	the date format, time format, or date and	tim	e form	at	
Not Used	DTM07	1251	Date Time Peri	od	X	AN	1/35	
			Expression of a	Expression of a date, a time, or range of dates, times or dates and times				

Segment: TXI Tax Information

Position: 090

Loop:

Level: Heading Usage: Optional

Max Use: >1

Purpose: To specify tax information

Syntax Notes: 1 At least one of TXI02 TXI03 or TXI06 is required.

2 If either TXI04 or TXI05 is present, then the other is required.

3 If TXI08 is present, then TXI03 is required.

Semantic Notes: 1 TXI07 is a code indicating the relationship of the price or amount to the

associated segment.

Comments: 1 TXI02 is the monetary amount of the tax.

2 TXI03 is the tax percent expressed as a decimal.

3 If TXI02 is not used, then the application of the percent (TXI03) is between

trading partners.

			Data Element Summary			
	Ref.	Data				
	<u>Des.</u>	Element	<u>Name</u>	Att	<u>ribute</u>	<u>es</u>
Must Use	TXI01	963	Tax Type Code	\mathbf{M}	ID	2/2
			Code specifying the type of tax			
			Use any code. The listed codes are preferred.			
			CA City Tax			
			FD Federal Tax			
			FI Federal Income Tax Withholding			
			FT Federal Excise Tax			
			FR Franchise Tax			
			GR Gross Receipts Tax			
			LS State and Local Sales Tax			
			MP Municipal Tax			
			OT Occupation Tax			
			PS Service Tax			
			SA State or Provincial Fuel Tax			
			SC School Tax			
			SE Excise Tax			
			TD Handicap Deaf Tax			
			UL Business Tax			
			ZE 911 Tax			
			Refer to 003050 Data Element Dictionary for acceptable	code	e valu	es.
Not Used	TXI02	782	Monetary Amount	X	R	1/15
			Monetary amount			
	TXI03	954	Percent	X	R	1/10
	IAIUS	734	T ercent	Λ	IV.	1/10

Percentage expressed as a decimal

			Tax rate for	this tax jurisdiction.			
	TXI04	955	Tax Jurisdi	ction Code Qualifier	X	ID	2/2
			Code identif	ying the source of the data used in tax juris	dictio	n code	•
			Refer to 003	050 Data Element Dictionary for acceptabl	e cod	e valu	es.
	TXI05	956	Tax Jurisdi	ction Code	\mathbf{X}	AN	1/10
			Code identif	ying the taxing jurisdiction			
	TXI06	441	Tax Exemp	t Code	\mathbf{X}	ID	1/1
			Code identif	Code identifying exemption status from sales and use tax			
			1	Yes (Tax Exempt)			
			2	No (Not Tax Exempt)			
	TXI07	662	Relationship	Code	O	ID	1/1
			Code indicat	ing the relationship between entities			
			A	Add			
			D	Delete			
			O	Information Only			
				Charges which relate to but may no or added to the unit price of the SLI WATS calculation based upon usag	N. (i.e	e., con	pute
	TXI08	828	Dollar Basis	For Percent	O	R	1/9
			Dollar basis or tax	to be used in the percent calculation of the	allow	ance,	charge
	TXI09	325	Tax Identifi	cation Number	O	AN	1/20
				gned to a purchaser (buyer, orderer) by a tay, etc.); often called a tax exemption number			
Not Used	TXI10	350	Assigned Id	entification	0	AN	1/11
			Alphanumer set	ic characters assigned for differentiation wi	thin a	a trans	action

N1 Name **Segment:**

Position: 100 Loop: N1 Level: Heading **Usage:** Optional

Max Use:

Purpose: To identify a party by type of organization, name, and code

At least one of N102 or N103 is required. **Syntax Notes:**

> 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment, used alone, provides the most efficient method of providing

organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

N105 and N106 further define the type of entity in N101.

			Data Elem	ent Summary			
Must Use	Ref. <u>Des.</u> N101	Data <u>Element</u> 98	Name Entity Identifier	Code	Att M	<u>ribute</u> ID	e <u>s</u> 2/2
			Code identifying a individual	n organizational entity, a physical loc	ation,	, or an	
			PE	Payee			
			PR	Payer			
			RL	Reporting Location			
	N102	93	Name		X	AN	1/35
			Free-form name				
	N103	66	Identification Co	de Qualifier	X	ID	1/2
				ode designating the system/method of code structure used for entification Code (67)			
			1	D-U-N-S Number, Dun & Bradstree	t		
			9	D-U-N-S+4, D-U-N-S Number with Suffix	Four	Char	acter
			10	Department of Defense Activity Add (DODAAC)	lress	Code	
				This code is to be used only within government.	the f	ederal	!
			33	Commercial and Government Entity	(CA	GE)	
				This code is to be used only within government.	the f	ederal	
			40	Electronic Mail User Code			
				Identifies the Electronic Mail User l and maintained between trading par		y defir	ned
			41	Telecommunications Carrier Identifi	catio	n Cod	e

				Identifies the Interexchange carrier being billed	nge carrier for the char		
			42	Telecommunications Pseudo Carrier Code	Iden	tificati	ion
				A code similar to the standard Carrie Code which is used to identify the lo service providers			
			91	Assigned by Seller or Seller's Agent			
			92	Assigned by Buyer or Buyer's Agent			
	N104	67	Identification Co	de	X	AN	2/20
			Code identifying a	party or other code			
Not Used	N105	706	Entity Relationsh	ip Code	O	ID	2/2
			Code describing en	ntity relationship			
Not Used	N106	98	Entity Identifier	Code	O	ID	2/2
			Code identifying an organizational entity, a physical location, or an individual				

Segment: N2 Additional Name Information

Position: 110
Loop: N1
Level: Heading
Usage: Optional

Max Use: 2

Purpose: To specify additional names or those longer than 35 characters in length

Syntax Notes: Semantic Notes: Comments:

	Ref.	Data				
	Des.	Element	<u>Name</u>	Att	<u>ribute</u>	<u>es</u>
Must Use	N201	93	Name	M	AN	1/35
			Free-form name			
	N202	93	Name	0	AN	1/35
			Free-form name			

Segment: N3 Address Information

Position: 120
Loop: N1
Level: Heading
Usage: Optional

Max Use: 2

Purpose: To specify the location of the named party

Syntax Notes: Semantic Notes: Comments:

	Ref.	Data				
	Des.	Element	<u>Name</u>	<u>Att</u>	ribute	<u>es</u>
Must Use	N301	166	Address Information	M	AN	1/35
			Address information			
	N302	166	Address Information	O	$\mathbf{A}\mathbf{N}$	1/35
			Address information			

Segment: N4 Geographic Location

Position: 130
Loop: N1
Level: Heading
Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.

Semantic Notes:

Comments: 1 A combination of either N401 through N404, or N405 and N406 may be

adequate to specify a location.

2 N402 is required only if city name (N401) is in the USA or Canada.

Ref.	Data					
Des.	Element	<u>Name</u>		<u>Att</u>	ribute	<u>es</u>
N401	19	City Name		O	AN	2/30
		Free-form te	xt for city name			
N402	156	State or Pro	vince Code	0	ID	2/2
		Code (Standa agency	ard State/Province) as defined by app	propriate go	vernm	ent
N403	116	Postal Code		0	ID	3/11
			g international postal zone code excode for United States)	luding punc	tuation	and
N404	26	Country Co	de	0	ID	2/3
		Code identify	ying the country			
N405	309	Location Qu	alifier	X	ID	1/2
		Code identify	ying type of location			
		AC	City and State			
		CC	Country			
		CI	City			
		SP	State/Province			
N406	310	Location Ide	entifier	O	AN	1/30
		Code which	identifies a specific location			

Segment: **REF** Reference Numbers

Position: 140
Loop: N1
Level: Heading
Usage: Optional
Max Use: 12

Purpose: To specify identifying numbers.

Syntax Notes: 1 At least one of REF02 or REF03 is required.

Semantic Notes:

Comments:

			Data Elem	ent Summary			
	Ref. Des.	Data Element				tribute	
Must Use	REF01	128	Reference Number		M	ID	2/2
			Code qualifying th	ne Reference Number.			
			01	American Bankers Assoc. (ABA) T Number (Including Check Digit, 9 I			ing
			03	Clearing House Interbank Payment Participant Number (3 or 4 Digits)	Syste	m (CI	HIPS)
			05	Clearing House Interbank Payment User Identification (6 digits)	Syste	m (CI	HIPS)
			10	Account Managers Code			
				Identifies the telecommunications reto this account	nanag	ger ass	igned
			13	Horizontal Coordinate			
				Positional address, horizontal compassigned address is based upon a gracheme			
			15	Vertical Coordinate			
				Positional Address, Vertical compo assigned address is based upon a gr scheme			
			BC	Buyer's Contract Number			
			CA	Cost Allocation Reference			
			CO	Customer Order Number			
			CR	Customer Reference Number			
			CT	Contract Number			
			DP	Department Number			
			EF	Electronic Funds Transfer ID Numb	er		
			EM	Electronic Payment Reference Num	ıber		
			EU	End User's Purchase Order Number			
			GC	Government Contract Number			

811 Consolidated Service Invoice/Statement - Telecommunications

		GT	Goods and Service Tax Registration Number
		IS	Invoice Number Suffix
		IT	Internal Customer Number
		IV	Seller's Invoice Number
		LB	Lockbox
		NP	Partial Payment Number
		OI	Original Invoice Number
		OP	Original Purchase Order
		OR	Order/Paragraph Number
		PO	Purchase Order Number
		PX	Previous Invoice Number
		RT	Payee's Financial Institution Transit Routing Number for Check, Draft or Wire Payments. Receiving Depository Financial Institution Transit Routing Number for ACH Transfers
		SE	Serial Number
		SX	Service Interrupt Tracking Number
		TF	Transfer Number
		TJ	Federal Taxpayer's Identification Number
		VC	Vendor Contract Number
		VN	Vendor Order Number
		VR	Vendor ID Number
REF02	127	Reference Numb	per X AN 1/30
			or or identification number as defined for a particular or as specified by the Reference Number Qualifier.
REF03	352	Description	X AN 1/80
		A free-form descricontent	ription to clarify the related data elements and their

Segment: PER Administrative Communications Contact

Position: 150
Loop: N1
Level: Heading
Usage: Optional

Max Use: 3

Purpose: To identify a person or office to whom administrative communications should be

directed

Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.

2 If either PER05 or PER06 is present, then the other is required.
3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

			Data Elem	ent Summary			
	Ref.	Data					
	Des.	Element				<u>ribute</u>	<u>s</u>
Must Use PER01 366			Contact Function	Code	M	ID	2/2
				ne major duty or responsibility of the	perso	n or g	roup
			named				
			TR	Technical Marketing Representative			
	PER02	93	Name		O	AN	1/35
			Free-form name				
	PER03	365	Communication N	Number Qualifier	\mathbf{X}	ID	2/2
			Code identifying tl	ne type of communication number			
			AU	Defense Switched Network			
			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)				
			This code is to be used only within the federal				
				government.			
			EM	Electronic Mail			
			FX	Facsimile			
			TE	Telephone			
	PER04	364	Communication N	Number	\mathbf{X}	AN	1/80
			Complete communapplicable	nications number including country or	area	code v	when
	PER05	365	Communication N	Number Qualifier	\mathbf{X}	ID	2/2
			Code identifying th	ne type of communication number			
			AU	Defense Switched Network			
				Department of Defense telecommunand successor of the Automatic Voic (AUTOVON)		•	

				This code is to be used only within government.	the j	federa	l
			EM	Electronic Mail			
			FX	Facsimile			
			TE	Telephone			
	PER06	364	Communicat	ion Number	X	$\mathbf{A}\mathbf{N}$	1/80
			Complete con applicable	nmunications number including country o	r area	code	when
	PER07	365	Communicat	ion Number Qualifier	\mathbf{X}	ID	2/2
			Code identify:	ing the type of communication number			
			See codes in I	PER05.			
	PER08	364	Communicat	ion Number	X	AN	1/80
			Complete con applicable	nmunications number including country o	r area	code	when
Not Used	PER09	443	Contact Inqu	niry Reference	O	AN	1/20
			Additional ref	ference number or description to clarify a	conta	ct nun	ıber

Segment: HL Hierarchical Level

Position: 010
Loop: HL
Level: Detail
Usage: Mandatory

Max Use: 1

Purpose: To identify dependencies among and the content of hierarchically related groups of

data segments

Syntax Notes:

Semantic Notes:

Comments:

- 1 The HL segment defines a top-down/left-right ordered structure.
- 2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
- 3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
- 4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
- 5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Notes:

When submitting the 811 to any federal agency, use of the HL loop at levels HL03 code "1" and code "4", is required.

	Ref.	Data							
	Des.	Element	<u>Name</u>	<u>Name</u>			<u>es</u>		
Must Use	HL01	628	Hierarchica	l ID Number	M	$\mathbf{A}\mathbf{N}$	1/12		
			-	mber assigned by the sender to identify hierarchical structure	a particu	lar dat	a		
			Sequential n	umber assigned to this HL segment.					
HL02 734			Hierarchica	l Parent ID Number	O	AN	1/12		
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to						
			Not used at HL1 (Service Provider).						
Must Use	HL03	735	Hierarchica	l Level Code	\mathbf{M}	ID	1/2		
		Code definin	g the characteristic of a level in a hiera	rchical st	ructur	e			
			1	Service/Billing Provider					
				Code identifying the telecommuproviding service/billing	inications	comp	oany		
			2	Billing Arrangement					

Must Use HL04

736

level 1. 3 **Sub-Billing Arrangement** Code identifying a more detailed billing arrangement This level can only be used as a subordinate to level 2. 4 Group Code identifying a group of charges on the bill This level can only be used as a subordinate to level 1, 2 or 3. 5 Category Code identifying the sub-division of the group This level can only be used as a subordinate to level 4. 6 Sub-Category Code identifying a further breakdown of the category This level can only be used as a subordinate to level 5. 7 Type Code identifying a further breakdown of the sub -category This level can only be used as a subordinate to level 6. 8 Charge Detail Code identifying the lowest level of charges within a billing arrangement This level can only be used as a subordinate to level 4, 5, 6, or 7. 9 Line Detail Code identifying the supporting detail associated with the charge or group **Hierarchical Child Code** \mathbf{o} ID 1/1 Code indicating whether if there are hierarchical child data segments subordinate to the level being described. 0 No Subordinate HL Segment in This Hierarchical Structure. 1 Additional Subordinate HL Data Segment in This Hierarchical Structure.

Code identifying a specified billing arrangement This level can only be used as a subordinate to

811 Consolidated Service Invoice/Statement - Telecommunications

Segment: LX Assigned Number

Position: 020
Loop: LX
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To reference a line number in a transaction set

Syntax Notes: Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the LX loop is optional

when HL03 is "1", "2", "3", "5", "6", "7" or "9". This loop is not used in

levels "4" and "8".

Data Element Summary

Ref. Data

Des.ElementNameAttributesMust UseLX01554Assigned NumberM N0 1/6

Number assigned for differentiation within a transaction set

Segment: SI Service Characteristic Identification

Position: 030
Loop: LX
Level: Detail
Usage: Optional

Max Use: 8

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

1 SI01 defines the source for each of the service characteristics qualifiers.

Notes:

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "1", "2", "3", "5", "6", "7", or "9".

2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

	Ref.	Data				
	Des.	Element	<u>Name</u>	Attributes		
Must Use	SI01	559	Agency Qualifier Code	\mathbf{M}	ID	2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
Must Use	SI02	1000	Service Characteristics Qualifier	M	ID	2/2
			Code from an industry code list qualifying the type of secharacteristics	ervice	;	
Must Use	SI03	234	Product/Service ID	\mathbf{M}	AN	1/40
			Identifying number for a product or service			
	SI04	1000	Service Characteristics Qualifier	X	ID	2/2
			Code from an industry code list qualifying the type of secharacteristics	ervice	;	
	SI05	234	Product/Service ID	X	AN	1/40
			Identifying number for a product or service			
	SI06	1000	Service Characteristics Qualifier	X	ID	2/2
			Code from an industry code list qualifying the type of secharacteristics	ervice	;	
	SI07	234	Product/Service ID	X	AN	1/40

		Identifying number for a product or service			
SI08	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	9	
SI09	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI10	1000	Service Characteristics Qualifier	\mathbf{X}	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	2	
SI11	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI12	1000	Service Characteristics Qualifier	\mathbf{X}	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	2	
SI13	234	Product/Service ID	\mathbf{X}	AN	1/40
		Identifying number for a product or service			
SI14	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI15	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI16	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI17	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI18	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI19	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI20	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI21	234	Product/Service ID	X	$\mathbf{A}\mathbf{N}$	1/40
		Identifying number for a product or service			

Segment:	PID Product/Item Description
Position:	040
Loop:	LX
Level:	Detail
Usage:	Optional
Max Use:	200
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID03 is required.
Semantic Notes:	1 Use PID03 to indicate the organization that publishes the code list being referred
	to.
	2 PID04 should be used for industry-specific product description codes.
	3 PID08 describes the physical characteristics of the product identified in PID04.
	A ``Y" indicates that the specified attribute applies to this item. A ``N" indicates
	it does not apply. Any other value is indeterminate.
Comments:	1 If $PID01 = F'$, then $PID05$ is used. If $PID01 = F'$, then $PID04$ is used. If
	PID01 = ``X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being
	described in the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	When submitting the 811 to any federal agency, use of this segment is optional
	when HL03 is 1, 2, 3, 5, 6, 7, or 9.
	Data Element Summary

Must Use	Ref. <u>Des.</u> PID01	Data Element 349	<u>Name</u> Item Descripti	on Tyne	<u>Atı</u> M	t <u>ribute</u> ID	e <u>s</u> 1/1
Wast Osc	11001		_	g the format of a description		12	1/1
			F	Free-form			
			S	Structured (From Industry Code Lis	st)		
			X	Semi-structured (Code and Text)			
Not Used	PID02	750	Product/Proce	ss Characteristic Code	O	ID	2/3
			Code identifyin	g the general class of a product or proce	ess ch	aracter	ristic
	PID03	559	Agency Qualif	ier Code	X	ID	2/2
			Code identifyin	ig the agency assigning the code values			
			AS	Assigned by Seller			
	PID04	751	Product Descr	iption Code	X	AN	1/12
			A code from an product charact	fic da	ta aboı	ut a	
	PID05	352	Description		X	AN	1/80
			A free-form descontent	scription to clarify the related data eleme	ents a	nd thei	ir

Not Used	PID06	752	Surface/Layer/Position Code	O	ID	2/2
			Code indicating the product surface, layer or position the described	at is	being	
Not Used	PID07	822	Source Subqualifier	0	AN	1/15
			A reference that indicates the table or text maintained by Qualifier	y the	Source	e
Not Used	PID08	1073	Yes/No Condition or Response Code	0	ID	1/1
			Code indicating a Yes or No condition or response			

Segment: **REF** Reference Numbers

Position: 050
Loop: LX
Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify identifying numbers.

Syntax Notes: 1 At least one of REF02 or REF03 is required.

Semantic Notes:

Comments:

Notes: This segment is not used at HL1 (Service Provider Level). It is optional when

HL03 is 2, 3, 5, 6, 7, or 9.

			Data Elem	ent Summary			
	Ref.	Data					
	Des.	Element	<u>Name</u>		Att	ribute	<u>es</u>
Must Use	REF01	128	Reference Number	er Qualifier	M	ID	2/2
			Code qualifying th	e Reference Number.			
			01	American Bankers Assoc. (ABA) T Number (Including Check Digit, 9 I			ing
			03	Clearing House Interbank Payment Participant Number (3 or 4 Digits)	Syste	m (CI	HIPS)
			05	Clearing House Interbank Payment User Identification (6 digits)	Syste	m (Cł	HIPS)
			10	Account Managers Code			
				Identifies the telecommunications n to this account	nanag	er ass	igned
			11	Account Number			
				Number identifies a telecommunica account	tions	indust	try
			12	Billing Account			
				Account number under which billin	g is re	endere	ed
			13	Horizontal Coordinate			
				Positional address, horizontal comp assigned address is based upon a gr scheme			
			14	Master Account Number			
				Account number used to represent i accounts which have been consolid summarized			_
			15	Vertical Coordinate			
				Positional Address, Vertical compo assigned address is based upon a gr scheme			

ВС	Buyer's Contract Number
CA	Cost Allocation Reference
CO	Customer Order Number
CR	Customer Reference Number
CT	Contract Number
DO	Delivery Order Number
DP	Department Number
EF	Electronic Funds Transfer ID Number
EM	Electronic Payment Reference Number
EU	End User's Purchase Order Number
F8	Original Reference Number
GC	Government Contract Number
GT	Goods and Service Tax Registration Number
НВ	Bill & Hold Invoice No.
IT	Internal Customer Number
IV	Seller's Invoice Number
LB	Lockbox
LI	Line Item Identifier (Seller's)
NP	Partial Payment Number
OI	Original Invoice Number
OP	Original Purchase Order
OR	Order/Paragraph Number
OW	Service Order Number
	Number assigned when a customer orders service and equipment and which appears on bill
PO	Purchase Order Number
PX	Previous Invoice Number
RT	Payee's Financial Institution Transit Routing Number for Check, Draft or Wire Payments. Receiving Depository Financial Institution Transit Routing Number for ACH Transfers
SE	Serial Number
SX	Service Interrupt Tracking Number
TF	Transfer Number
TJ	Federal Taxpayer's Identification Number
VC	Vendor Contract Number
VN	Vendor Order Number
VR	Vendor ID Number
Reference Nun	nber X AN 1/30
	per or identification number as defined for a particular , or as specified by the Reference Number Qualifier.
Description	X AN 1/80

REF02

REF03

127

352

A free-form description to clarify the related data elements and their content

811A008 40 December 2, 1996

Segment: AMT Monetary Amount

Position: 060
Loop: LX
Level: Detail
Usage: Optional

Max Use: 5

Purpose: To indicate the total monetary amount

Syntax Notes: Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the AMT segment is

optional when HL03 is "1", "2", "3", "5", "6", "7" or "9".

Data Element Summary

			Data Elem	ent Summary			
	Ref.	Data					
	<u>Des.</u>	Element	<u>Name</u>			<u>ribute</u>	
Must Use	AMT01	522	Amount Qualifier	r Code	M	ID	1/2
			Code to qualify an	nount			
			"6", "KO", "PB" Provider Level).	', and ''SC'' are the only valid codes	at HI	L1 (S	ervice
			1	Line Item Total			
			5	Total Invoice Amount			
			6	Amount Subject to Total Monetary	Discou	ınt	
			8	Total Monetary Discount Amount			
			AD	Adjusted Total			
			AP	Amount Prior to Fractionalization			
				Full charge amount for the service period, prior to pro-rated fractionali partial period billing			to
			AQ	Average Price Per Call			
				The total amount of money associat category of calls divided by the tota within the category calculated to prosummary details	l num	ber of	f calls
			AS	Average Price Per Minute			
				The total amount of money associat category of calls divided by the tota minutes within the category calcular call summary details	l num	ber of	
			AX	Previous Price			
			BT	Bank Reject Total			
			СН	Change Amount			
			CS	Commission Sales			

Those sales used to calculate commission payments

			CT	Contract			
				Indicates the value stated in the con	tract		
			KO	Committed Amount			
			LI	Line Item Unit Price			
			N	Net			
				Indicates the value remaining after a adjustments have been made	all de	duction	ns and
			NA	Net Adjustment			
			NO	Non Commission Sales			
				Those sales not included for commicalculation	ssion	payme	ent
			NS	Net Savings Amount			
				Amount of dollar saving resulting fr service, such as Optional Calling Pl		ne use	of
			PB	Billed Amount			
				Total amount due on the period bill			
			SC	Total Service Charge			
			TP	Total payment amount			
			TS	Total Sales			
				The total of commission and non coneeded to calculate intersell amount		sion s	ales
			TT	Total Transaction Amount			
Must Use	AMT02	782	Monetary Amoun	at .	M	R	1/15
			Monetary amount				
Not Used	AMT03	478	Credit/Debit Flag	Code	0	ID	1/1
			Code indicating wl	hether amount is a credit or debit			

811A008 42 December 2, 1996

DTM Date/Time Reference **Segment:**

Position: Loop: LX Level: Detail **Usage:** Optional

Max Use:

Purpose: To specify pertinent dates and times

Syntax Notes: At least one of DTM02 DTM03 or DTM06 is required.

If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

When submitting the 811 to any federal agency, use of this segment is optional **Notes:**

when HL03 is 1, 2, 3, 5, 6, 7 or 9.

			Data Elem	ent Summary			
	Ref.	Data					
	Des.	Element	<u>Name</u>			<u>ribute</u>	
Must Use	DTM01	374	Date/Time Qualif		M	ID	3/3
				pe of date or time, or both date and the	me		
			001	Cancel After			
			003	Invoice			
			007	Effective			
			009	Process			
			035	Delivered			
			092	Contract Effective			
			093	Contract Expiration			
			102	Issue			
			150	Service Period Start			
			151	Service Period End			
			152	Effective Date of Change			
				Date on which the change went into	effe	ct	
			153	Service Interruption			
			154	Adjustment Period Start			
			155	Adjustment Period End			
			193	Period Start			
			194	Period End			
			198	Completion			
				Date when the activity was complete	ed		
	DTM02	373	Date		\mathbf{X}	DT	6/6
			Date (YYMMDD)				
Not Used	DTM03	337	Time		X	TM	4/8
			Time expressed in	24-hour clock time as follows: HHM	M, oı	HHM	IMSS,

			or HHMMSSD, or HHMMSSDD, where $H = hours$ (00-(00-59), $S = integer$ seconds (00-59) and $DD = decimal seconds are expressed as follows: D = tenths (0-9) and D = tenths (00-99)$	secor	nds; de	cimal
Not Used	DTM04	623	Time Code	0	ID	2/2
			Code identifying the time. In accordance with Internation Organization standard 8601, time can be specified by a + indication in hours in relation to Universal Time Coordin since + is a restricted character, + and - are substituted by codes that follow	or - nate (and a	n time;
	DTM05	624	Century	0	N0	2/2
			The first two characters in the designation of the year (C	CYY	<i>Y</i>)	
Not Used	DTM06	1250	Date Time Period Format Qualifier	X	ID	2/3
			Code indicating the date format, time format, or date and	l time	e form	at
Not Used	DTM07	1251	Date Time Period	X	AN	1/35
			Expression of a date, a time, or range of dates, times or d	lates	and ti	nes

Segment: TXI Tax Information

Position: 080
Loop: LX
Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify tax information

Syntax Notes: 1 At least one of TXI02 TXI03 or TXI06 is required.

2 If either TXI04 or TXI05 is present, then the other is required.

3 If TXI08 is present, then TXI03 is required.

Semantic Notes: 1 TXI07 is a code indicating the relationship of the price or amount to the

associated segment.

Comments: 1 TXI02 is the monetary amount of the tax.

2 TXI03 is the tax percent expressed as a decimal.

3 If TXI02 is not used, then the application of the percent (TXI03) is between

trading partners.

Notes: When submitting the 811 to any federal agency, use of the TXI segment is

optional when HL03 is "1", "2", "3", "5", "6", "7" or "9".

Data Element Summary

	Ref.	Data				
	Des.	Element	<u>Name</u>	Att	<u>ribute</u>	<u>es</u>
Must Use	TXI01	963	Tax Type Code	\mathbf{M}	ID	2/2
			Code specifying the type of tax			
			Use any code. The listed codes are preferred.			
			CA City Tax			
			FD Federal Tax			
			FI Federal Income Tax Withholding			
			FT Federal Excise Tax			
			FR Franchise Tax			
			GR Gross Receipts Tax			
			LS State and Local Sales Tax			
			MP Municipal Tax			
			OT Occupation Tax			
			PS Service Tax			
			SA State or Provincial Fuel Tax			
			SC School Tax			
			SE Excise Tax			
			TD Handicap Deaf Tax			

Refer to 003050 Data Element Dictionary for acceptable code values.

TXI02 782 Monetary Amount X R 1/15

Monetary amount

UL Business Tax ZE 911 Tax

Not Used

	TXI03	954	Percent		X	R	1/10
			Percentage expre	ssed as a decimal			
			Tax rate for this	tax jurisdiction.			
	TXI04	955	Tax Jurisdiction	Code Qualifier	X	ID	2/2
			Code identifying	the source of the data used in tax jurisc	dictio	n code	
			CD	Customer defined			
			VD	Vendor defined			
			VE	Vertex			
	TXI05	956	Tax Jurisdiction	Code	X	AN	1/10
			Code identifying	the taxing jurisdiction			
	TXI06	441	Tax Exempt Cod	le	\mathbf{X}	ID	1/1
			Code identifying	exemption status from sales and use ta	ιX		
			1	Yes (Tax Exempt)			
			2	No (Not Tax Exempt)			
			5	Exempt (Not For Resale)			
			8	Exempt (Sale to U.S. Govt)			
			9	Exempt (Per State Law)			
			C	Not Taxable			
	TXI07	662	Relationship Co	de	O	ID	1/1
			Code indicating t	he relationship between entities			
			A	Add			
			D	Delete			
			O	Information Only			
				Charges which relate to but may no or added to the unit price of the SLI WATS calculation based upon usag	N. (i.e	e., com	
	TXI08	828	Dollar Basis For	Percent	O	R	1/9
			Dollar basis to be or tax	used in the percent calculation of the	allow	ance,	charge
	TXI09	325	Tax Identification	on Number	O	AN	1/20
			_	to a purchaser (buyer, orderer) by a ta e.); often called a tax exemption number			
l	TXI10	350	Assigned Identif	ication	0	AN	1/11
			Alphanumeric ch set	aracters assigned for differentiation wi	ithin a	trans:	action

Segment: QTY Quantity

Position: 090
Loop: QTY
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify quantity information

Syntax Notes: Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the QTY loop is optional

when HL03 is "1", "2", "3", "5", "6", "7" or "9".

	Ref.	Data	Data Elem	ent Summary			
	Des.	<u>Element</u>	<u>Name</u>		<u>At</u>	<u>tribut</u>	<u>es</u>
Must Use	QTY01	673	Quantity Qualifie	er	M	ID	2/2
			Code specifying th	ne type of quantity			
			01	Discrete Quantity			
			02	Cumulative Quantity			
			27	Committed Quantity			
			38	Original Quantity			
			47	Primary Net Quantity			
			90	Acknowledged Quantity			
				Network Recognition for message r	eceip	ot	
			91	Additional Usage Quantity			
				The amount of usage incurred above allowable use for a service	e the	allote	d or
			92	Allotted Usage Quantity			
				The amount of allowable usage rela	ted to	o a ser	vice
			93	Attendant-Handled Quantity			
				Manual Recognition for message re-	ceipt		
			94	Billable Quantity			
				Number of billable units used			
			95	Data Storage Quantity			
				Number of storage units used			
			96	Non-Billable Quantity			
				Number of non-billable units			
			97	Non-Urgent Delivery Quantity			
				Number of units delivered in non-un	gent	status	3
			98	Overflow Quantity			
				Number of overflow messages, (Buscount for 800 service)	sy co	nditio	n

			99	Quantity Used
				Quantity of units used
			AA	Unacknowledged Quantity
				Message received without network, or attendant recognition
			AB	Urgent Delivery Quantity
				Number of units delivered in urgent status
			AC	Voice Storage Quantity
				Number of voice storage units used
			AD	Maintenance Units
				Number of units of maintenance provided
			AE	Minimum Average Time Requirement (MATR) Units
				Number of units calculated at a minimum usage rating basis, such as X minutes per message
			AF	Wide Area Telephone Service (WATS)/800 Service Units
				Number of units of usage, for WATS or 800 service
			AG	Number of End Users
				Number of participating users
			AH	Number of Message Recipients
				Number of recipients
			AI	Number of Operator Credits
				Number of operator credits given
			AJ	Daily Adjustments
			NS	Number of Stations
				Number of stations, or terminating points, which are in use, deleted, added, etc. for service delivery; ports or lines on a computer, for example
Must Use	QTY02	380	Quantity	M R 1/15
			Numeric value of	quantity
	QTY03	355	Unit or Basis for	Measurement Code O ID 2/2
			Code specifying t	he units in which a value is being expressed, or manner
			in which a measur	rement has been taken
			03	Seconds
			12	Packet
			1X	Quarter Mile
			AD	Bytes
				Number of bytes of data transmitted
			AH	Additional Minutes
				The minutes, usually associated with usage-sensitive
				pricing of telecommunication services, which are above the minutes allowed for that particular service
				above the minutes allowed for that particular service

AL	Access Lines
	Number of lines subject to Carrier Access Line
	Charges
C0	Calls
	Number of calls handled
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records
	Number of Data Records handled
DY	Directory Books
	Number of directory books delivered to customer
EA	Each
EB	Electronic Mail Boxes
	Number of Electronic Mail Boxes established for an account
EV	Envelope
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried

NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.
S6	Sessions
	Number of interactive sessions handled
S7	Storage Units
	Number of storage increments used
SG	Segment
Т0	Telecommunications Lines in Service
	Snapshot sample of lines in service
UB	Telecommunications Lines in Service - Average
	Average number of lines in service specific to equal access requirements
UC	Telecommunications Ports
	Number of network access ports
UD	Tenth Minutes
	Number of 6 second increments of usage
UE	Tenth Hours
	Number of 6 minute increments of usage
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

Segment: SI Service Characteristic Identification

Position: 100
Loop: QTY
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

1 SI01 defines the source for each of the service characteristics qualifiers.

Notes:

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "1", "2", "3", "5", "6", "7" or "9".

2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

	Ref.	Data				
	Des.	Element	<u>Name</u>	Att	<u>ribute</u>	<u>es</u>
Must Use	SI01	559	Agency Qualifier Code	\mathbf{M}	ID	2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
Must Use	SI02	1000	Service Characteristics Qualifier	M	ID	2/2
			Code from an industry code list qualifying the type of secharacteristics	ervice	;	
Must Use	SI03	234	Product/Service ID	\mathbf{M}	AN	1/40
			Identifying number for a product or service			
	SI04	1000	Service Characteristics Qualifier	X	ID	2/2
			Code from an industry code list qualifying the type of secharacteristics	ervice	;	
	SI05	234	Product/Service ID	X	AN	1/40
			Identifying number for a product or service			
	SI06	1000	Service Characteristics Qualifier	X	ID	2/2
			Code from an industry code list qualifying the type of secharacteristics	ervice	;	
	SI07	234	Product/Service ID	X	AN	1/40

		Identifying number for a product or service			
SI08	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	9	
SI09	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI10	1000	Service Characteristics Qualifier	\mathbf{X}	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	2	
SI11	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI12	1000	Service Characteristics Qualifier	\mathbf{X}	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	2	
SI13	234	Product/Service ID	\mathbf{X}	AN	1/40
		Identifying number for a product or service			
SI14	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI15	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI16	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI17	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI18	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI19	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI20	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI21	234	Product/Service ID	X	$\mathbf{A}\mathbf{N}$	1/40
		Identifying number for a product or service			

Segment: NM1 Individual or Organizational Name

Position: 110
Loop: NM1
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To supply the full name of an individual or organizational entity
Syntax Notes: 1 If either NM108 or NM109 is present, then the other is required.

Semantic Notes: 1 NM102 qualifies NM103.

Comments:

Notes: When submitting the 811 to any federal agency, use of the NM1 loop is optional when HL03 is "2", "3", "5", "6", or "7", and is required when HL03 is "1".

Data Element Summary

Ref.	Data				
Des.	Element	<u>Name</u>	Att	<u>ribute</u>	es_
Must Use NM101	98	Entity Identifier Code	\mathbf{M}	ID	2/2

Code identifying an organizational entity, a physical location, or an individual

- 1. "SJ" is the only valid code at HL1 (Service Provider Level).
- 2. "OB" and "P9" are invalid at HL2 (Billing Arrangement Level) and HL3 (Sub-Billing Arrangement Level).
- 3. "C3", "CT", "GP", "IA", "OB", and "P9" are the only valid codes at HL5 (Category Level), HL6 (Subcategory Level) and HL7 (Type Level).

, -	
AG	Agent/Agency
AK	Party to Whom Acknowledgment Should Be Sent
AO	Account Of
BS	Bill and Ship To
C3	Circuit Location Identifier
	Identifies the address information as that which is assigned to a circuit location address
CA	Carrier
CT	Country of Origin
EN	End User
GP	Gateway Provider
	Identifies a gateway access provider
IA	Installed At
NN	Network Name
	Identifies the name of the telecommunications network, e.g., Envoy
OB	Ordered By

			P9	Primary Interexchange Carrier ((PIC)		
				Identifies the carrier who will h interexchange calls			
			PE	Payee			
			PM	Party to receive paper Memo of	Invoice		
			PR	Payer			
			RI	Remit To			
			RL	Reporting Location			
			SE	Selling Party			
			SJ	Service Provider			
				Identifies name and address info pertaining to a service provider being rendered			g is
Must Use	NM102	1065	Entity Type	Qualifier	\mathbf{M}	ID	1/1
			Code qualifyi	ing the type of entity			
			Use only code	e ''2'' for federal government invoice	s.		
			1	Person			
			2	Non-Person Entity			
	NM103	1035	Name Last of	r Organization Name	O	AN	1/35
			Individual las	st name or organizational name			
	NM104	1036	Name First		O	AN	1/25
			Individual firs	st name			
	NM105	1037	Name Middle	e	O	AN	1/25
			Individual mi	ddle name or initial			
	NM106	1038	Name Prefix		O	AN	1/10
			Prefix to indi-	vidual name			
	NM107	1039	Name Suffix		O	AN	1/10
			Suffix to indi	vidual name			
	NM108	66	Identification	n Code Qualifier	X	ID	1/2
			Code designa Identification	ating the system/method of code structure. Code (67)	ire used fo	or	
			1	D-U-N-S Number, Dun & Brad	street		
			9	D-U-N-S+4, D-U-N-S Number Suffix	with Four	c Char	acter
			40	Electronic Mail User Code			
				Identifies the Electronic Mail U and maintained between trading		y defii	ned
			41	Telecommunications Carrier Ide	entificatio	n Cod	e
				Identifies the Interexchange car being billed	rier for th	e char	ges
			42	Telecommunications Pseudo Ca Code	rrier Iden	tificat	ion

			A code similar to the standard Carrier Code which is used to identify the loc service providers			
		91	Assigned by Seller or Seller's Agent			
		92	Assigned by Buyer or Buyer's Agent			
NM109	67	Identification Co	de	X	AN	2/20
		Code identifying a	a party or other code			

Segment: N2 Additional Name Information

Position: 120
Loop: NM1
Level: Detail
Usage: Optional

Max Use: 2

Purpose: To specify additional names or those longer than 35 characters in length

Syntax Notes: Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the N2 segment is

optional when HL03 is "1", "2", "3", "5", "6", or "7".

	Ref.	Data					
	Des.	Element	<u>Name</u>	<u> 4</u>	\tt	<u>ribute</u>	<u>es</u>
Must Use	N201	93	Name	N	I	$\mathbf{A}\mathbf{N}$	1/35
			Free-form name				
	N202	93	Name	()	AN	1/35
			Free-form name				

Segment: N3 Address Information

Position: 130
Loop: NM1
Level: Detail
Usage: Optional

Max Use: 2

Purpose: To specify the location of the named party

Syntax Notes: Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the N3 segment is

optional when HL03 is "1", "2", "3", "5", "6", or "7".

	Ref.	Data				
	Des.	Element	<u>Name</u>	Att	<u>ribute</u>	<u>s</u>
Must Use	N301	166	Address Information	\mathbf{M}	$\mathbf{A}\mathbf{N}$	1/35
			Address information			
	N302	166	Address Information	O	AN	1/35
			Address information			

Segment: N4 Geographic Location

Position: 140
Loop: NM1
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named partySyntax Notes: 1 If N406 is present, then N405 is required.

Semantic Notes:

Comments: 1 A combination of either N401 through N404, or N405 and N406 may be

adequate to specify a location.

2 N402 is required only if city name (N401) is in the USA or Canada.

Notes: When submitting the 811 to any federal agency, use of the N4 segment is

optional when HL03 is "1", "2", "3", "5", "6", or "7".

Ref.	Data					
Des.	Element	<u>Name</u>		Att	ribute	<u>es</u>
N401	19	City Name		0	AN	2/30
		Free-form tex	t for city name			
N402	156	State or Prov	ince Code	O	ID	2/2
		Code (Standar agency	rd State/Province) as defined by appropr	iate go	vernm	ent
N403	116	Postal Code		O	ID	3/11
		_	international postal zone code excludin de for United States)	g punc	tuatior	and
N404	26	Country Cod	e	O	ID	2/3
		Code identify	ing the country			
N405	309	Location Qua	alifier	X	ID	1/2
		Code identify	ing type of location			
		AC	City and State			
		CC	Country			
		CI	City			
		SP	State/Province			
N406	310	Location Idea	ntifier	O	AN	1/30
		Code which ic	lentifies a specific location			

Segment: **REF** Reference Numbers

Position: 150
Loop: NM1
Level: Detail
Usage: Optional

Max Use: 2

Purpose: To specify identifying numbers.

Syntax Notes: 1 At least one of REF02 or REF03 is required.

Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the REF segment is

optional when HL03 is "1", "2', "3", "5", "6", or "7".

			3 · · · · · · · · · · · · · · · · · · ·			
	Ref.	Data				
	Des.	Element	<u>Name</u>	<u>Att</u>	<u>ribute</u>	<u>s</u>
Must Use	REF01	128	Reference Number Qualifier	M	ID	2/2
			Code qualifying the Reference Number.			
			1. Refer to code list provided in the REF segment in To	ıble 2	2 posit	ion 50.
			2. "10", "CR", "EF", "GT", "IV", "LB", "RT", "T	F'' ai	nd ''V	C'' are
			the only valid codes at HL1 (Service Provider Level).			
	REF02	127	Reference Number	X	AN	1/30
			Reference number or identification number as defined for Transaction Set, or as specified by the Reference Number			
	REF03	352	Description	X	AN	1/80
			A free-form description to clarify the related data element content	ıts ar	nd thei	r

PER Administrative Communications Contact **Segment:**

Position: 160 Loop: NM1 Level: Detail **Usage:** Optional Max Use: >1

Purpose: To identify a person or office to whom administrative communications should be

Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.

> If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

When submitting the 811 to any federal agency, use of the PER segment is **Notes:**

optional when HL03 is "1", "2", "3", "5", "6", or "7".

			Data Elem	ent Summary			
	Ref.	Data					
	<u>Des.</u>	<u>Element</u>	<u>Name</u>		Att	<u>ribute</u>	<u>s</u>
Must Use	PER01	366	Contact Function	Code	\mathbf{M}	ID	2/2
			Code identifying the named	ne major duty or responsibility of the	perso	n or gi	roup
			AD	Accounting Department			
			BD	Buyer Name or Department			
			BI	Bill Inquiry Contact			
				Service Provider contact for making information on the invoice	inqu	ires at	out
			CC	Computer Systems Contact			
			DA	Directory Advertising Contact			
				Service Provider contact for question changes to, directory advertising	ns ab	out, ar	nd
			IC	Information Contact			
			MA	Maintenance Contact			
				Service Provider contact for request maintainance, or reporting problems	_	ervice	
			OC	Order Contact			
			OD	Order Department			
			PM	Product Manager			
			QA	Quality Assurance Contact			
			SR	Sales Representative or Department			
			TR	Technical Marketing Representative			
	PER02	93	Name		o	AN	1/35

Free-form name

	PER03	365	Communication Number Qualifier		X	ID	2/2
			Code identifying the type of communication number				
			AU	Defense Switched Network			
				Department of Defense telecommunand successor of the Automatic Voi (AUTOVON)		-	
				This code is to be used only within government.	the j	federa	l
			EM	Electronic Mail			
			FX	Facsimile			
			TE	Telephone			
	PER04	364	Communicati	on Number	X	AN	1/80
			Complete com applicable	plete communications number including country or eable			when
	PER05	365	Communication	mmunication Number Qualifier		ID	2/2
			Code identifying	Code identifying the type of communication number AU Defense Switched Network			
			AU				
			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)				
				This code is to be used only within government.	the j	federa	l
			EM	Electronic Mail			
			FX	Facsimile			
			TE	Telephone			
	PER06	364	Communicati	on Number	X	AN	1/80
			Complete com applicable	munications number including country or	r area	code	when
	PER07	365	Communication	on Number Qualifier	X	ID	2/2
			Code identifying	ng the type of communication number			
			See code list a	t PER05.			
	PER08	364	Communicati	on Number	X	AN	1/80
			Complete com applicable	munications number including country or	r area	code	when
Not Used	PER09	443	Contact Inqui	ry Reference	0	AN	1/20
			Additional reference number or description to clarify a contact number				

TXI Tax Information **Segment:**

Position: Loop: NM₁ Level: Detail **Usage:** Optional

Max Use: >1

Purpose: To specify tax information

Syntax Notes: At least one of TXI02 TXI03 or TXI06 is required.

> 2 If either TXI04 or TXI05 is present, then the other is required.

3 If TXI08 is present, then TXI03 is required.

1 TXI07 is a code indicating the relationship of the price or amount to the **Semantic Notes:**

associated segment.

TXI02 is the monetary amount of the tax. **Comments:** 1

> TXI03 is the tax percent expressed as a decimal. 2

If TXI02 is not used, then the application of the percent (TXI03) is between

trading partners.

When submitting the 811 to any federal agency, use of the TXI segment is **Notes:**

optional when HL03 is "1", "2", "3", "5", "6" or "7".

Data Element Summary

	Ref.	Data				
	Des.	Element	<u>Name</u>	<u>Att</u>	ribut	<u>es</u>
Must Use	TXI01	963	Tax Type Code	\mathbf{M}	ID	2/2
			Code specifying the type of tax			

Use any code. The listed codes are preferred.

CA City Tax

FD Federal Tax

FI Federal Income Tax Withholding

FT Federal Excise Tax

FR Franchise Tax

GR Gross Receipts Tax

LS State and Local Sales Tax

MP Municipal Tax

OT Occupation Tax

PS Service Tax

SA State or Provincial Fuel Tax

SC School Tax

SE Excise Tax

TD Handicap Deaf Tax

UL Business Tax

ZE 911 Tax

Refer to 003050 Data Element Dictionary for acceptable code values.

TXI02 782 Monetary Amount \mathbf{X} R 1/15

Monetary amount

Not Used

	TXI03	954	Percent		X	R	1/10
			Percentage expre	ssed as a decimal			
			Tax rate for this	jurisdiction.			
	TXI04	955	Tax Jurisdiction	Code Qualifier	X	ID	2/2
			Code identifying	the source of the data used in tax jurise	dictio	n code	
			CD	Customer defined			
			VD	Vendor defined			
			VE	Vertex			
	TXI05	956	Tax Jurisdiction	Code	X	AN	1/10
			Code identifying	the taxing jurisdiction			
	TXI06	441	Tax Exempt Cod	le	\mathbf{X}	ID	1/1
			Code identifying	exemption status from sales and use ta	ιX		
			1	Yes (Tax Exempt)			
			2	No (Not Tax Exempt)			
			5	Exempt (Not For Resale)			
			8	Exempt (Sale to U.S. Govt)			
			9	Exempt (Per State Law)			
			C	Not Taxable			
	TXI07	662	Relationship Co	de	O	ID	1/1
			Code indicating t	he relationship between entities			
			A	Add			
			D	Delete			
			O	Information Only			
				Charges which relate to but may no or added to the unit price of the SLI WATS calculation based upon usag	N. (i.e	e., com	
	TXI08	828	Dollar Basis For	Percent	O	R	1/9
			Dollar basis to be or tax	used in the percent calculation of the	allow	ance,	charge
	TXI09	325	Tax Identification	on Number	O	AN	1/20
			_	to a purchaser (buyer, orderer) by a ta e.); often called a tax exemption number			
l	TXI10	350	Assigned Identif	ication	0	AN	1/11
			Alphanumeric ch set	aracters assigned for differentiation wi	ithin a	trans:	action

Segment:

Must Use ITA04

331

04

06

ITA Allowance, Charge or Service

Position: 180 Loop: ITA Level: Detail **Usage: Optional** Max Use: **Purpose:** To specify allowances, charges, or services **Syntax Notes:** If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required. 2 If ITA08 is present, then ITA09 is required. 3 If either ITA10 or ITA11 is present, then the other is required. 4 If ITA15 is present, then ITA02 is required. **Semantic Notes:** 1 ITA09 is the allowance or charge percent. ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. 3 ITA12 is the quantity of free goods. **Comments:** 1 If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present. 2 ITA02 identifies the source of the code value in ITA03 or ITA15. 3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence. ITA13 is used to clarify the allowance, charge, or service. 5 ITA15 specifies the individual code list of the agency specified in ITA02. ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment. When submitting the 811 to any federal agency, use of the ITA loop is optional Notes: when HL03 is "1", "2", "3", "5", "6", or "7". **Data Element Summary** Ref. Data Des. Element Name Attributes Must Use ITA01 **Allowance or Charge Indicator** 248 ID 1/1 Code which indicates an allowance or charge for the service specified Allowance Α C Charge N No Allowance or Charge ITA02 559 ID **Agency Qualifier Code** \mathbf{X} 2/2 Code identifying the agency assigning the code values ΤI Telecommunications Industry ITA03 **560 Special Services Code** X ID 2/10 Code identifying the special service See TCIF Section 10.4 for valid values.

Allowance or Charge Method of Handling Code

Code indicating method of handling for an allowance or charge

Credit Customer Account

Charge to be Paid by Customer

M ID

2/2

			ZZ	Mutually Defined			
	ITA05	341	Allowance or C	Charge Number	O	AN	1/16
			The number assideal or charge	igned by a vendor referencing an allow	ance,	promo	otion,
Not Used	ITA06	359	Allowance or C	Charge Rate	O	R	1/9
			Allowance or C	harge Rate per Unit			
	ITA07	360	Allowance or C	Charge Total Amount	O	N2	1/9
				ount for the allowance or charge			
	ITA08	378	Allowance/ Cha	arge Percent Qualifier	O	ID	1/1
				on what basis allowance or charge per	cent is	s calcu	lated
			9	Late Payment Charge Base Amour			
				Amount outstanding after the past subject to a late payment charge	due da	ate, and	d
	ITA09	332	Percent		X	R	1/6
			Percent expresse	ed as a percent			
	ITA10	380	Quantity		X	R	1/15
			Numeric value of	of quantity			
	ITA11	355		or Measurement Code	X	ID	2/2
				g the units in which a value is being expourement has been taken	oresseo	d, or m	anner
			03	Seconds			
			12	Packet			
			1X	Quarter Mile			
			AD	Bytes			
				Number of bytes of data transmitte	ed		
			AH	Additional Minutes			
				The minutes, usually associated windless of telecommunication servabove the minutes allowed for that	ices, v	which a	ıre
			AL	Access Lines			
				Number of lines subject to Carrier Charges	Acces	ss Line	;
			C0	Calls			
				Number of calls handled			
			DA	Days			
			DC	Disk (Disc)			
			DH	Miles			
			DK	Kilometers			
			DQ	Data Records			
				Number of Data Records handled			
			DY	Directory Books			
				Number of directory books deliver	ed to	custon	ner

EA	Each
EB	Electronic Mail Boxes
	Number of Electronic Mail Boxes established for an
	account
EV	Envelope
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
X	Number of 15 minute increments of usage handled
	1. amost of 15 minute meremonts of usuge number

			RS	Resets			
				Number of times a transmission is redrop, interrupt, etc.	eset d	lue to	line
			S 6	Sessions			
				Number of interactive sessions hand	led		
			S7	Storage Units			
				Number of storage increments used			
			SG	Segment			
			T0	Telecommunications Lines in Service	e		
				Snapshot sample of lines in service			
			UB	Telecommunications Lines in Service	e - A	verag	ge
				Average number of lines in service saccess requirements	speci	fic to	equal
			UC	Telecommunications Ports			
				Number of network access ports			
			UD	Tenth Minutes			
				Number of 6 second increments of u	ısage	;	
			UE	Tenth Hours			
				Number of 6 minute increments of u	ısage	;	
			UF	Usage per Telecommunications Line	: - A	verage	e
			UN	Unit			
			ZZ	Mutually Defined			
Not Used	ITA12	380	Quantity		0	R	1/15
			Numeric value of	quantity			
	ITA13	352	Description		X	AN	1/80
			A free-form descri	ption to clarify the related data element	nts aı	nd the	eir
	ITA14	150	Special Charge or	r Allowance Code	X	ID	3/3
			Code identifying t	ype of special charge or allowance			
			See TCIF Section	10.4 for valid values.			
			Refer to 003050 D	ata Element Dictionary for acceptable	cod	e valu	ies.
Not Used	ITA15	822	Source Subqualif	ier	0	AN	1/15
			A reference that in Qualifier	dicates the table or text maintained by	the the	Sourc	ce
	ITA16	662	Relationship Cod	e	0	ID	1/1
			Code indicating th	e relationship between entities			
			Code ''I'' is only v	valid in HLs 4 - 9.			
			A	Add			
			D	Delete			
			I	Included			
			O	Information Only			

Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

DTM Date/Time Reference **Segment:**

Position: Loop: ITA Level: Detail **Usage:** Optional

Max Use:

Purpose: To specify pertinent dates and times

Syntax Notes: At least one of DTM02 DTM03 or DTM06 is required.

If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

When submitting the 811 to any federal agency, use of the DTM segment is **Notes:**

optional when HL03 is "1", "2", "3", "5", "6", or "7".

Data Element Summary									
	Ref.	Data							
	<u>Des.</u>	Element				<u>ribute</u>	<u>es</u>		
Must Use	DTM01	374	Date/Time Qualif	fier	M	ID	3/3		
			Code specifying ty	ype of date or time, or both date and ti	me				
			001	Cancel After					
			003	Invoice					
			007	Effective					
			009	Process					
			035	Delivered					
			092	Contract Effective					
			093	Contract Expiration					
			102	Issue					
			150	Service Period Start					
			151	Service Period End					
			152	Effective Date of Change					
				Date on which the change went into	effe	ct			
			153	Service Interruption					
			154	Adjustment Period Start					
			155	Adjustment Period End					
	DTM02	373	Date		X	DT	6/6		
			Date (YYMMDD))					
Not Used	DTM03	337	Time		X	TM	4/8		
			or HHMMSSD, or $(00-59)$, $S = integer$	24-hour clock time as follows: HHM r HHMMSSDD, where H = hours (00 er seconds (00-59) and DD = decimal ssed as follows: D = tenths (0-9) and I	-23), secon	M = m $ds; de$	ninutes ecimal		
Not Used	DTM04	623	Time Code		0	ID	2/2		

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a $+\ or\ -$ and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

			Cours that Ions !!					
	DTM05	624	Century	0	N0	2/2		
			The first two characters in the designation of the year (C	CYY	<i>(</i>)			
Not Used	DTM06	1250	Date Time Period Format Qualifier	X	ID	2/3		
			Code indicating the date format, time format, or date and	l tim	e form	at		
Not Used	DTM07	1251	Date Time Period	X	AN	1/35		
			Expression of a date, a time, or range of dates, times or dates and times					

Segment: TXI Tax Information

Position: 200
Loop: ITA
Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify tax information

Syntax Notes: 1 At least one of TXI02 TXI03 or TXI06 is required.

2 If either TXI04 or TXI05 is present, then the other is required.

3 If TXI08 is present, then TXI03 is required.

Semantic Notes: 1 TXI07 is a code indicating the relationship of the price or amount to the

associated segment.

Comments: 1 TXI02 is the monetary amount of the tax.

2 TXI03 is the tax percent expressed as a decimal.

3 If TXI02 is not used, then the application of the percent (TXI03) is between

trading partners.

Notes: When submitting the 811 to any federal agency, use of this segment is optional

when HL03 is "1", "2", "3", "5", "6", or "7".

Data Element Summary

	Ref.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
Must Use	TXI01	963	Tax Type Code	M ID 2/2

Code specifying the type of tax

Use any code. The listed codes are preferred.

CA City Tax FD Federal Tax

FI Federal Income Tax Withholding

FT Federal Excise Tax

FR Franchise Tax

GR Gross Receipts Tax

LS State and Local Sales Tax

MP Municipal Tax

OT Occupation Tax

PS Service Tax

SA State or Provincial Fuel Tax

SC School Tax

SE Excise Tax

TD Handicap Deaf Tax

UL Business Tax

ZE 911 Tax

Refer to 003050 Data Element Dictionary for acceptable code values.

TXI02 782 Monetary Amount X R 1/15

Monetary amount

	TXI03	954	Percent		X	R	1/10
			Percentage expressed as a decimal Tax rate for this jurisdiction.				
	TXI04	955	Tax Jurisdiction	Code Qualifier	X	ID	2/2
			Code identifying t	he source of the data used in tax juriso	dictio	n code	
			CD	Customer defined			
			VD	Vendor defined			
			VE	Vertex			
	TXI05	956	Tax Jurisdiction	Code	\mathbf{X}	AN	1/10
			Code identifying t	he taxing jurisdiction			
	TXI06	441	Tax Exempt Cod	e	X	ID	1/1
			Code identifying e	exemption status from sales and use ta	X		
			1	Yes (Tax Exempt)			
			2	No (Not Tax Exempt)			
			5	Exempt (Not For Resale)			
			8	Exempt (Sale to U.S. Govt)			
			9	Exempt (Per State Law)			
			C	Not Taxable			
	TXI07	662	Relationship Cod	le	0	ID	1/1
			Code indicating th	ne relationship between entities			
			A	Add			
			D	Delete			
			O	Information Only			
				Charges which relate to but may no or added to the unit price of the SLN WATS calculation based upon usag	Ν. (i.e	e., com	
	TXI08	828	Dollar Basis For	Percent	O	R	1/9
			Dollar basis to be or tax	used in the percent calculation of the	allow	ance,	charge
	TXI09	325	Tax Identification	n Number	0	AN	1/20
			_	to a purchaser (buyer, orderer) by a ta); often called a tax exemption number	· ·	,	
Not Used	TXI10	350	Assigned Identifi	cation	O	AN	1/11
			Alphanumeric cha	aracters assigned for differentiation wi	thin a	trans:	action

Segment: IT1 Baseline Item Data (Invoice)

Position: 210
Loop: IT1
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify the basic and most frequently used line item data for the invoice and

related transactions

Syntax Notes: 1 If any of IT102 IT103 or IT104 is present, then all are required.

- 2 If either IT106 or IT107 is present, then the other is required.
- 3 If either IT108 or IT109 is present, then the other is required.
- 4 If either IT110 or IT111 is present, then the other is required.
- 5 If either IT112 or IT113 is present, then the other is required.
- 6 If either IT114 or IT115 is present, then the other is required.
- 7 If either IT116 or IT117 is present, then the other is required.
- **8** If either IT118 or IT119 is present, then the other is required.
- 9 If either IT120 or IT121 is present, then the other is required.
- 10 If either IT122 or IT123 is present, then the other is required.
- 11 If either IT124 or IT125 is present, then the other is required.

Semantic Notes:

1 IT101 is the purchase order line item identification.

Comments:

- 1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of ID's.
- 2 IT106 through IT125 provides for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Notes:

- 1. The group level is defined by at least one occurrence of the IT1 loop which may only appear at the group level.
- 2. When submitting the 811 to any federal agency, use of the IT1 segment is required when HL03 is "4".

Data Element Summary

	Ref.	Data						
	Des.	Element	<u>Name</u>	Att	<u>tributes</u>			
	IT101	350	Assigned Identification	O	AN	1/11		
			Alphanumeric characters assigned for differentiation with set	hin a	transa	action		
Must Use	IT102	358	Quantity Invoiced	M	R	1/10		
			Number of units invoiced (supplier units)					
Must Use	IT103	355	Unit or Basis for Measurement Code	M	ID	2/2		
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
			When IT103 = "M4" - Rules of extended pricing do not apply.					
			Proposed TCIF change - At least one M4 code must be used if there are					
			charges at the subordinate levels (5-9). When M4 is us	ed, I	T104	equals		

the roll up from lower levels (see TCIF summing rules in TCIF Section

			7.3).				
			EA	Each			
			M4	Monetary Value			
			MO	Months			
Must Use	IT104	212	Unit Price		\mathbf{M}	R	1/17
			Price per unit of p	product, service, commodity, etc.			
	IT105	639	Basis of Unit Pri	·	o	ID	2/2
			Code identifying	the type of unit price for an item			
			BD	Before Discount			
				Full amount for the service prior to any appropriate discounts	appli	cation	of
			CP	Current Price (Subject to Change)			
			CT	Contract			
			PE	Price per Each			
			PM	Monthly Price Per Unit			
			TE	Contract Price per Each			
	IT106	235	Product/Service	ID Qualifier	X	ID	2/2
			Code identifying Product/Service I	the type/source of the descriptive num D (234)	ıber u	sed in	
			SV	Service Rendered			
	IT107	234	Product/Service	ID	X	AN	1/40
			Identifying numb	er for a product or service			
			See TCIF section	ı 10.4 for valid values.			
Not Used	IT108	235	Product/Service	ID Qualifier	X	ID	2/2
			Code identifying Product/Service I	the type/source of the descriptive num D (234)	ıber u	sed in	
Not Used	IT109	234	Product/Service	ID	\mathbf{X}	AN	1/40
			Identifying numb	er for a product or service			
Not Used	IT110	235	Product/Service	ID Qualifier	X	ID	2/2
			Code identifying Product/Service I	the type/source of the descriptive num D (234)	ıber u	sed in	
Not Used	IT111	234	Product/Service	ID	\mathbf{X}	AN	1/40
			Identifying numb	er for a product or service			
Not Used	IT112	235	Product/Service	ID Qualifier	\mathbf{X}	ID	2/2
			Code identifying Product/Service I	the type/source of the descriptive num D (234)	ıber u	sed in	
Not Used	IT113	234	Product/Service	ID	X	AN	1/40
			Identifying numb	er for a product or service			
Not Used	IT114	235	Product/Service	ID Qualifier	X	ID	2/2
			Code identifying Product/Service I	the type/source of the descriptive num D (234)	ıber u	sed in	

N	ot Used	IT115	234	Product/Service ID	X	AN	1/40
				Identifying number for a product or service			
N	ot Used	IT116	235	Product/Service ID Qualifier	X	ID	2/2
				Code identifying the type/source of the descriptive number Product/Service ID (234)	ber u	sed in	
N	ot Used	IT117	234	Product/Service ID	X	AN	1/40
				Identifying number for a product or service			
N	ot Used	IT118	235	Product/Service ID Qualifier	X	ID	2/2
				Code identifying the type/source of the descriptive number Product/Service ID (234)	ber u	sed in	
N	ot Used	IT119	234	Product/Service ID	X	AN	1/40
				Identifying number for a product or service			
N	ot Used	IT120	235	Product/Service ID Qualifier	X	ID	2/2
				Code identifying the type/source of the descriptive number Product/Service ID (234)	ber u	sed in	
N	ot Used	IT121	234	Product/Service ID	X	AN	1/40
				Identifying number for a product or service			
N	ot Used	IT122	235	Product/Service ID Qualifier	X	ID	2/2
				Code identifying the type/source of the descriptive number Product/Service ID (234)	ber u	sed in	
N	ot Used	IT123	234	Product/Service ID	X	AN	1/40
				Identifying number for a product or service			
N	ot Used	IT124	235	Product/Service ID Qualifier	X	ID	2/2
				Code identifying the type/source of the descriptive number Product/Service ID (234)	ber u	sed in	
N	ot Used	IT125	234	Product/Service ID	X	AN	1/40
				Identifying number for a product or service			

Segment: SI Service Characteristic Identification

Position: 220
Loop: IT1
Level: Detail
Usage: Optional

Max Use: 2

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

1 SI01 defines the source for each of the service characteristics qualifiers.

Notes:

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "4".

2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

	Ref.	Data	·			
	Des.	Element	<u>Name</u>	Att	<u>ribute</u>	<u>es</u>
Must Use	SI01	559	Agency Qualifier Code	\mathbf{M}	ID	2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
Must Use	SI02	1000	Service Characteristics Qualifier	\mathbf{M}	ID	2/2
			Code from an industry code list qualifying the type of se characteristics	rvice		
Must Use	SI03	234	Product/Service ID	M	AN	1/40
			Identifying number for a product or service			
	SI04	1000	Service Characteristics Qualifier	X	ID	2/2
			Code from an industry code list qualifying the type of se characteristics	rvice		
	SI05	234	Product/Service ID	X	AN	1/40
			Identifying number for a product or service			
	SI06	1000	Service Characteristics Qualifier	X	ID	2/2
			Code from an industry code list qualifying the type of se characteristics	rvice		
	SI07	234	Product/Service ID	\mathbf{X}	AN	1/40

		Identifying number for a product or service			
SI08	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	9	
SI09	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI10	1000	Service Characteristics Qualifier	\mathbf{X}	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	2	
SI11	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI12	1000	Service Characteristics Qualifier	\mathbf{X}	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	2	
SI13	234	Product/Service ID	\mathbf{X}	AN	1/40
		Identifying number for a product or service			
SI14	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI15	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI16	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI17	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI18	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI19	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI20	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI21	234	Product/Service ID	X	$\mathbf{A}\mathbf{N}$	1/40
		Identifying number for a product or service			

Segment:	PID Product/Item Description
Position:	230
Loop:	IT1
Level:	Detail
Usage:	Optional
Max Use:	200
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID03 is required.
Semantic Notes:	1 Use PID03 to indicate the organization that publishes the code list being referred
	to.PID04 should be used for industry-specific product description codes.
	 2 PID04 should be used for industry-specific product description codes. 3 PID08 describes the physical characteristics of the product identified in PID04.
	A "Y" indicates that the specified attribute applies to this item. A "N" indicates it does not apply. Any other value is indeterminate.
Comments:	1 If PID01 = ``F", then PID05 is used. If PID01 = ``S", then PID04 is used. If PID01 = ``X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	When submitting the 811 to any federal agency, use of the PID segment is
	optional when HL03 is "4".
	Data Element Summary

	Ref. Des.	Data <u>Element</u>	Name		A f1	tribute	2 C
Must Use		349	Item Descriptio	n Type	M	ID	1/1
			Code indicating	the format of a description			
			F	Free-form			
			S	Structured (From Industry Code Lis	t)		
			X	Semi-structured (Code and Text)			
Not Used	PID02	750	Product/Proces	s Characteristic Code	O	ID	2/3
			Code identifying	de identifying the general class of a product or process char			ristic
	PID03	559	Agency Qualific	er Code	X	ID	2/2
			Code identifying	g the agency assigning the code values			
			AS	Assigned by Seller			
	PID04	751	Product Descrip	ption Code	X	AN	1/12
			A code from an product characte	industry code list which provides specification	iic da	ta aboı	ut a
	PID05	352	Description		X	AN	1/80
			A free-form descontent	cription to clarify the related data element	ents a	nd thei	ir

Not Used	PID06	752	Surface/Layer/Position Code	0	ID	2/2
			Code indicating the product surface, layer or position the described	at is	oeing	
Not Used	PID07	822	Source Subqualifier	O	AN	1/15
			A reference that indicates the table or text maintained by Qualifier	the	Source	e
Not Used	PID08	1073	Yes/No Condition or Response Code	O	ID	1/1
			Code indicating a Yes or No condition or response			

Segment: INC Installment Information

Position: 240
Loop: IT1
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify installment billing arrangement

Syntax Notes:

Semantic Notes: 1 INC02 is the installment period (e.g., months).

2 INC03 is the total number of installments.

3 INC04 is the number of the current installment.

4 INC05 is the installment balance after the current installment is applied.

Comments:

Notes: When submitting the 811 to any federal agency, use of the INC segment is

optional when HL03 is "4".

	Ref.	Data							
	Des.	Element	<u>Name</u>	Att	<u>ribut</u>	<u>es</u>			
Must Use	INC01	336	Terms Type Code	\mathbf{M}	ID	2/2			
			Code identifying type of payment terms						
			04 Deferred or Installment						
Must Use	INC02	355	Unit or Basis for Measurement Code	M	ID	2/2			
			Code specifying the units in which a value is being expressed, or main which a measurement has been taken						
			MO Months						
Must Use	INC03	380	Quantity	M	R	1/15			
			Numeric value of quantity						
			Indicates the total number of installments.						
Must Use	INC04	380	Quantity	M	R	1/15			
			Numeric value of quantity						
			Indicates the number of current installments.						
	INC05	782	Monetary Amount	0	R	1/15			
			Monetary amount						
			Balance remaining after this installment is billed.						

Segment: TXI Tax Information

Position: 250
Loop: IT1
Level: Detail
Usage: Optional
Max Use: >1

TXI02

782

Purpose: To specify tax information

Syntax Notes: 1 At least one of TXI02 TXI03 or TXI06 is required.

2 If either TXI04 or TXI05 is present, then the other is required.

3 If TXI08 is present, then TXI03 is required.

Semantic Notes: 1 TXI07 is a code indicating the relationship of the price or amount to the

associated segment.

Comments: 1 TXI02 is the monetary amount of the tax.

2 TXI03 is the tax percent expressed as a decimal.

3 If TXI02 is not used, then the application of the percent (TXI03) is between

trading partners.

Notes: When submitting the 811 to any federal agency, use of the TXI segment is

optional when HL03 is "4".

Data Element Summary

Ref.	Data				
<u>Des.</u>	Element	<u>Name</u>	Att	ribute	<u>es</u>
Must Use TXI01	963	Tax Type Code	\mathbf{M}	ID	2/2
		Code specifying the type of tax			
		Use any code. The listed codes are preferred.			
		CA City Tax			
		FD Federal Tax			
		FI Federal Income Tax Withholding			
		FT Federal Excise Tax			
		FR Franchise Tax			
		GR Gross Receipts Tax			
		LS State and Local Sales Tax			
		MP Municipal Tax			
		OT Occupation Tax			
		PS Service Tax			
		SA State or Provincial Fuel Tax			
		SC School Tax			
		SE Excise Tax			
		TD Handicap Deaf Tax			
		UL Business Tax			
		ZE 911 Tax			

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Monetary Amount

Monetary amount

Refer to 003050 Data Element Dictionary for acceptable code values.

 $\mathbf{X} \quad \mathbf{R}$

1/15

			-	change to summing rules - This amoute TXI segment billed amounts.	unt w	ill be t	he roll
	TXI03	954	Percent		X	R	1/10
			Percentage expr	essed as a decimal			
			Tax rate for this	s jurisdiction.			
	TXI04	955	Tax Jurisdiction	n Code Qualifier	X	ID	2/2
			Code identifying	g the source of the data used in tax juris	dictio	n code	;
			CD	Customer defined			
			VD	Vendor defined			
			VE	Vertex			
	TXI05	956	Tax Jurisdiction	n Code	\mathbf{X}	AN	1/10
			Code identifying	g the taxing jurisdiction			
	TXI06	441	Tax Exempt Co	ode	X	ID	1/1
			Code identifying	g exemption status from sales and use ta	ıx		
			1	Yes (Tax Exempt)			
			2	No (Not Tax Exempt)			
			5	Exempt (Not For Resale)			
			8	Exempt (Sale to U.S. Govt)			
			9	Exempt (Per State Law)			
			C	Not Taxable			
	TXI07	662	Relationship Co	ode	O	ID	1/1
			Code indicating	the relationship between entities			
			A	Add			
			D	Delete			
			O	Information Only			
				Charges which relate to but may no or added to the unit price of the SL WATS calculation based upon usag	N. (i.	e., com	
	TXI08	828	Dollar Basis Fo	r Percent	O	R	1/9
			Dollar basis to b or tax	e used in the percent calculation of the	allow	ance,	charge
	TXI09	325	Tax Identificati	ion Number	O	AN	1/20
			_	d to a purchaser (buyer, orderer) by a tatc.); often called a tax exemption number	_	_	
Not Used	TXI10	350	Assigned Identi	fication	0	AN	1/11
			Alphanumeric cl	haracters assigned for differentiation w	ithin a	a trans	action

Segment: **REF** Reference Numbers

Position: 260
Loop: IT1
Level: Detail
Usage: Optional

Max Use: 8

Purpose: To specify identifying numbers.

Syntax Notes: 1 At least one of REF02 or REF03 is required.

Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of this segment is optional

when HL03 is ''4''.

Must Use	Ref. <u>Des.</u> REF01	Data Element 128	Name Reference Number Qualifier Code qualifying the Reference Number.	Att:	<u>ribute</u> ID	<u>s</u> 2/2			
			Refer to code list provided in the REF segment in Table 2 position 50.						
	REF02	127	Reference Number	X	AN	1/30			
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.						
	REF03	352	Description	X	AN	1/80			
			A free-form description to clarify the related data element content	ıts ar	d thei	r			

DTM Date/Time Reference **Segment:**

Position: 270 IT1 Loop: Level: Detail **Usage:** Optional Max Use: 10

Purpose: To specify pertinent dates and times

Syntax Notes: At least one of DTM02 DTM03 or DTM06 is required.

If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

When submitting the 811 to any federal agency, use of the DTM segment is **Notes:**

optional when HL03 is "4".

			Data Elem	ent Summary			
	Ref.	Data					
	Des.	<u>Element</u>		_		<u>ribute</u>	
Must Use	DTM01	374	Date/Time Qualif		M	ID	3/3
				pe of date or time, or both date and ti	me		
			001	Cancel After			
			003	Invoice			
			009	Process			
			035	Delivered			
			050	Received			
			092	Contract Effective			
			093	Contract Expiration			
			102	Issue			
			150	Service Period Start			
			151	Service Period End			
			152	Effective Date of Change			
				Date on which the change went into	effec	ct	
			153	Service Interruption			
			154	Adjustment Period Start			
			155	Adjustment Period End			
			201	Acceptance			
	DTM02	373	Date		X	DT	6/6
			Date (YYMMDD)				
Not Used	DTM03	337	Time		X	TM	4/8
			or HHMMSSD, or $(00-59)$, $S = integer$	24-hour clock time as follows: HHM HHMMSSDD, where H = hours (00- er seconds (00-59) and DD = decimal seed as follows: D = tenths (0-9) and I	-23), secor	M = m nds; de	inutes cimal

(00-99)

Not Used	DTM04	623	Time Code Code identifying the time. In accordance with Internatio Organization standard 8601, time can be specified by a indication in hours in relation to Universal Time Coordin since + is a restricted character, + and - are substituted be codes that follow		and a (UTC)	n time;	
	DTM05	624	Century	O	N0	2/2	
			The first two characters in the designation of the year (CCY	Y)		
Not Used	DTM06	1250	Date Time Period Format Qualifier	X	ID	2/3	
			Code indicating the date format, time format, or date an	d tim	e form	at	
Not Used	DTM07	1251	Date Time Period	X	AN	1/35	
			Expression of a date, a time, or range of dates, times or dates and times				

Segment: MSG Message Text

Position: 280
Loop: IT1
Level: Detail
Usage: Optional
Max Use: >1

Purpose: To provide a free form format that would allow the transmission of text information.

Syntax Notes: Semantic Notes:

Comments: 1 MSG02 is not related to the specific characteristics of a printer, but identifies

top of page, advance a line, etc.

Notes: When submitting the 811 to any federal agency, use of this segment is optional

when HL03 is "4".

	Ref.	Data				
	Des.	Element	<u>Name</u>	Attributes		<u>es</u>
Must Use	MSG01	933	Free-Form Message Text	\mathbf{M}	AN	1/264
			Free-form message text			
Not Used	MSG02	934	Printer Carriage Control Code	O	ID	2/2
			A field to be used for the control of the line feed of the	receiv	ing pr	inter

Segment: QTY Quantity

Position: 290
Loop: QTY
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify quantity information

Syntax Notes: Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of this segment is optional

when HL03 is "4".

	Ref.	Data						
	<u>Des.</u>	Element	nt Name Att		<u>tributes</u>			
Must Use	QTY01	673	Quantity Qualifier	M	ID	2/2		
			Code specifying the type of quantity					
			Refer to code list provided in the QTY segment in Table	e 2 position 90.				
Must Use	QTY02	380	Quantity	M	R	1/15		
			Numeric value of quantity					
	QTY03	355	Unit or Basis for Measurement Code	0	ID	2/2		
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
			Refer to code list provided in the QTY segment in Table 2 position 90					

Segment:	SI	Service Characteristic Identification
Segment:		Service Characteristic Identification

Position: 300 QTY Loop: Level: Detail **Usage:** Optional

Max Use:

Purpose: To specify service characteristic data

Syntax Notes: If either SI04 or SI05 is present, then the other is required.

- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- If either SI12 or SI13 is present, then the other is required.
- If either SI14 or SI15 is present, then the other is required.
- If either SI16 or SI17 is present, then the other is required. If either SI18 or SI19 is present, then the other is required.
- If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

SI01 defines the source for each of the service characteristics qualifiers. 1

Notes:

See TCIF section 10.4 for valid values when using data element 1000/234 pairs. When submitting the 811 to any federal agency, use of this segment is optional when HL03 is ''4''.

	Ref.	Data					
	Des.	Element	<u>Name</u>	Attributes			
Must Use	SI01	559	Agency Qualifier Code	\mathbf{M}	ID	2/2	
			Code identifying the agency assigning the code values				
			TI Telecommunications Industry				
Must Use	SI02	1000	Service Characteristics Qualifier	M	ID	2/2	
			Code from an industry code list qualifying the type of se characteristics	rvice	;		
Must Use	SI03	234	Product/Service ID		AN	1/40	
			Identifying number for a product or service				
	SI04	1000	Service Characteristics Qualifier		ID	2/2	
			Code from an industry code list qualifying the type of se characteristics	rvice	;		
	SI05	234	Product/Service ID	X	AN	1/40	
			Identifying number for a product or service				
	SI06	1000	Service Characteristics Qualifier	X	ID	2/2	
			Code from an industry code list qualifying the type of se characteristics	rvice	;		
	SI07	234	Product/Service ID	X	AN	1/40	
			Identifying number for a product or service				
	SI08	1000	Service Characteristics Qualifier	X	ID	2/2	

		Code from an industry code list qualifying the type of secharacteristics	ervice	2	
SI09	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI10	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	2	
SI11	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI12	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	rvice	e	
SI13	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI14	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI15	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI16	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	rvice	e	
SI17	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI18	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	rvice	e	
SI19	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI20	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	rvice	e	
SI21	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			

Segment:

Must Use ITA04

331

04

06

ITA Allowance, Charge or Service

Position: 310 Loop: ITA Level: Detail Usage: **Optional** Max Use: **Purpose:** To specify allowances, charges, or services **Syntax Notes:** If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required. 2 If ITA08 is present, then ITA09 is required. 3 If either ITA10 or ITA11 is present, then the other is required. 4 If ITA15 is present, then ITA02 is required. **Semantic Notes:** 1 ITA09 is the allowance or charge percent. ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. 3 ITA12 is the quantity of free goods. **Comments:** 1 If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present. 2 ITA02 identifies the source of the code value in ITA03 or ITA15. 3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence. ITA13 is used to clarify the allowance, charge, or service. 5 ITA15 specifies the individual code list of the agency specified in ITA02. ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment. When submitting the 811 to any federal agency, use of the ITA loop is optional Notes: when HL03 is ''4''. **Data Element Summary** Ref. Data Des. Element Name **Attributes** Must Use ITA01 **Allowance or Charge Indicator** 248 ID 1/1 Code which indicates an allowance or charge for the service specified Allowance Α C Charge N No Allowance or Charge ITA02 559 ID **Agency Qualifier Code** X 2/2 Code identifying the agency assigning the code values ΤI Telecommunications Industry ITA03 **560 Special Services Code** X ID 2/10 Code identifying the special service

See TCIF Section 10.4 for valid values.

Allowance or Charge Method of Handling Code

Code indicating method of handling for an allowance or charge

Credit Customer Account

Charge to be Paid by Customer

M ID

2/2

			ZZ	Mutually Defined					
	ITA05	341	Allowance or	Charge Number	O	AN	1/16		
			The number as deal or charge	ssigned by a vendor referencing an allov	vance,	promo	otion,		
	ITA06	359	Allowance or	Charge Rate	O	R	1/9		
			Allowance or	Charge Rate per Unit					
	ITA07	360	Allowance or	Charge Total Amount	O	N2	1/9		
			Total dollar ar	nount for the allowance or charge					
	ITA08	378	Allowance/ C	harge Percent Qualifier	O	ID	1/1		
			Code indicatir	ng on what basis allowance or charge per	rcent is	calcu	lated		
			9	Late Payment Charge Base Amoun	nt				
				Amount outstanding after the past subject to a late payment charge	due da	ite, an	d		
	ITA09	332	Percent		X	R	1/6		
			Percent expres	ssed as a percent					
	ITA10	380	Quantity		X	R	1/15		
			Numeric value	e of quantity					
	ITA11	355	Unit or Basis	for Measurement Code	X	ID	2/2		
			Code specifying in which a me	l, or m	anner				
			Refer to code list provided in the ITA segment in Table 2 position						
Not Used	ITA12	380	Quantity		O	R	1/15		
			Numeric value	e of quantity					
	ITA13	352	Description		X	AN	1/80		
			A free-form decontent	escription to clarify the related data elen	nents a	nd the	ir		
	ITA14	150	Special Charg	ge or Allowance Code	X	ID	3/3		
			Code identifyi	ing type of special charge or allowance					
			See TCIF Sec	ction 10.4 for valid values.					
Not Used	ITA15	822	Source Subqu	ualifier	O	AN	1/15		
			A reference th Qualifier	at indicates the table or text maintained	by the	Sourc	e		
	ITA16	662	Relationship	Code	O	ID	1/1		
			Code indicatir	ng the relationship between entities					
			A	Add					
			D	Delete					
			I	Included					
			O	Information Only					
			Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)						

Segment: DTM Date/Time Reference

Position: 320
Loop: ITA
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.

2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the DTM segment is

optional when HL03 is "4".

			Data Elei	ment Summary						
	Ref.	Data								
	Des.	Element				<u>ribute</u>	_			
Must Use	DTM01	374	Date/Time Qual		M	ID	3/3			
				type of date or time, or both date and ti	me					
			007	Effective						
			009	Process						
			035	Delivered						
			092	Contract Effective						
			093	Contract Expiration						
			102	Issue						
			150	Service Period Start						
			151	Service Period End						
			152	Effective Date of Change						
				Date on which the change went into	effe	et				
			153	Service Interruption						
			154	Adjustment Period Start						
			155	Adjustment Period End						
	DTM02	373	Date		\mathbf{X}	DT	6/6			
			Date (YYMMDI	D)						
Not Used	DTM03	337	Time		\mathbf{X}	TM	4/8			
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)							
Not Used	DTM04	623	Time Code		O	ID	2/2			
				the time. In accordance with International 8601, time can be specified by a						

811 Consolidated Service Invoice/Statement - Telecommunications

			indication in hours in relation to Universal Time Coordinate (UTC) time since + is a restricted character, + and - are substituted by P and M in the codes that follow				
	DTM05	624	Century	0	N0	2/2	
			The first two characters in the designation of the year (C	CCY	Y)		
Not Used	DTM06	1250	Date Time Period Format Qualifier	X	ID	2/3	
			Code indicating the date format, time format, or date an	d tim	e form	at	
Not Used	DTM07	1251	Date Time Period	X	AN	1/35	
			Expression of a date, a time, or range of dates, times or dates and times				

Segment: TXI Tax Information

Position: 330
Loop: ITA
Level: Detail
Usage: Optional
Max Use: >1

TXI02

782

Purpose: To specify tax information

Syntax Notes: 1 At least one of TXI02 TXI03 or TXI06 is required.

2 If either TXI04 or TXI05 is present, then the other is required.

3 If TXI08 is present, then TXI03 is required.

Semantic Notes: 1 TXI07 is a code indicating the relationship of the price or amount to the

associated segment.

Comments: 1 TXI02 is the monetary amount of the tax.

2 TXI03 is the tax percent expressed as a decimal.

3 If TXI02 is not used, then the application of the percent (TXI03) is between

trading partners.

Notes: When submitting the 811 to any federal agency, use of this segment is optional

when HL03 is "4".

Data Element Summary

	Ref.	Data	Data Element Summary			
	Des.	Element	<u>Name</u>	<u>Attributes</u>		
Must Use	TXI01	963	Tax Type Code	M	ID	2/2
			Code specifying the type of tax			
			Use any code. The listed codes are preferred.			
			CA City Tax			
			FD Federal Tax			
			FI Federal Income Tax Withholding			
			FT Federal Excise Tax			
			FR Franchise Tax			
			GR Gross Receipts Tax			
			LS State and Local Sales Tax			
			MP Municipal Tax			
			OT Occupation Tax			
			PS Service Tax			
			SA State or Provincial Fuel Tax			
			SC School Tax			
			SE Excise Tax			
			TD Handicap Deaf Tax			
			UL Business Tax			
			ZE 911 Tax			
			Refer to 003050 Data Element Dictionary for acceptable	e cod	e valu	es.

 $\mathbf{X} \quad \mathbf{R}$

1/15

Monetary Amount

Monetary amount

	TXI03	954	Percent		X	R	1/10
			Percentage expres	sed as a decimal			
			Tax rate for this j	urisdiction.			
	TXI04	955	Tax Jurisdiction	Code Qualifier	X	ID	2/2
			Code identifying the	he source of the data used in tax juriso	dictio	n code	
			CD	Customer defined			
			VD	Vendor defined			
			VE	Vertex			
	TXI05	956	Tax Jurisdiction	Code	X	AN	1/10
			Code identifying the	he taxing jurisdiction			
	TXI06	441	Tax Exempt Code	e	X	ID	1/1
			Code identifying e	exemption status from sales and use ta	X		
			1	Yes (Tax Exempt)			
			2	No (Not Tax Exempt)			
	TXI07	662	Relationship Code		O	ID	1/1
			Code indicating th	e relationship between entities			
			A	Add			
			D	Delete			
			O	Information Only			
				Charges which relate to but may no or added to the unit price of the SLN WATS calculation based upon usag	Ν. (i.e	e., com	
	TXI08	828	Dollar Basis For l		O	R	1/9
			Dollar basis to be or tax	used in the percent calculation of the	allow	ance,	charge
	TXI09	325	Tax Identification	n Number	O	AN	1/20
			Number assigned to a purchaser (buyer, orderer) by a ta (state, county, etc.); often called a tax exemption number number			-	
Not Used	TXI10	350	Assigned Identific	cation	0	AN	1/11
			Alphanumeric cha set	racters assigned for differentiation wi	thin a	a transa	action

NM1 Individual or Organizational Name **Segment:**

Position: 340 NM1 Loop: Level: Detail **Usage:** Optional

Max Use:

Purpose: To supply the full name of an individual or organizational entity **Syntax Notes:** If either NM108 or NM109 is present, then the other is required.

Semantic Notes: 1 NM102 qualifies NM103.

Comments:

Notes: When submitting the 811 to any federal agency, use of this segment is optional

when HL03 is "4".

			Data Eleme	ent Summary		
	Ref.	Data				
	Des.	<u>Element</u>			<u>Attributes</u>	
Must Use	NM101	98	Entity Identifier (2/2
			Code identifying a individual	n organizational entity, a physical loca	ation, or an	
			AG	Agent/Agency		
			AK	Party to Whom Acknowledgment Sh	ould Be Sent	t
			AO	Account Of		
			BS	Bill and Ship To		
			C3	Circuit Location Identifier		
				Identifies the address information as assigned to a circuit location address		S
			CA	Carrier		
			CT	Country of Origin		
			EN	End User		
			GP	Gateway Provider		
				Identifies a gateway access provider		
			IA	Installed At		
			P9	Primary Interexchange Carrier (PIC))	
				Identifies the carrier who will handle interexchange calls	e the	
			PE	Payee		
			PM	Party to receive paper Memo of Invo	oice	
			PR	Payer		
			RI	Remit To		
			RL	Reporting Location		
			SE	Selling Party		
			SJ	Service Provider		
					_	

Identifies name and address information as

pertaining to a service provider for which billing is being rendered

Must Use	NM102	1065	Entity Type (Qualifier	M	ID	1/1
			Code qualifying the type of entity				
			Use only code	"2" in federal government invoices.			
			1	Person			
			2	Non-Person Entity			
	NM103	1035	Name Last or	Organization Name	O	AN	1/35
			Individual last	name or organizational name			
	NM104	1036	Name First		O	AN	1/25
			Individual first	t name			
	NM105	1037	Name Middle		O	AN	1/25
			Individual mid	ldle name or initial			
	NM106	1038	Name Prefix		O	AN	1/10
			Prefix to indiv	idual name			
	NM107	1039	Name Suffix		O	AN	1/10
			Suffix to indiv				
	NM108	66	Identification	ID	1/2		
			Code designate Identification	ing the system/method of code structure t Code (67)	ised f	or	
			1	D-U-N-S Number, Dun & Bradstree	et		
			9	D-U-N-S+4, D-U-N-S Number with Suffix	ı Fou	r Char	acter
			40	Electronic Mail User Code			
				Identifies the Electronic Mail User and maintained between trading parts		y defir	ned
			41	Telecommunications Carrier Identif	icatio	n Cod	e
				Identifies the Interexchange carrier being billed	for th	e char	ges
			42	Telecommunications Pseudo Carrie Code	r Iden	tificat	ion
				A code similar to the standard Carri Code which is used to identify the l service providers			
			91	Assigned by Seller or Seller's Agent	t		
			92	Assigned by Buyer or Buyer's Agen	t		
	NM109	67	Identification	Code	X	AN	2/20
			Code identifyi	ng a party or other code			

Segment: N2 Additional Name Information

Position: 350
Loop: NM1
Level: Detail
Usage: Optional

Max Use: 2

Purpose: To specify additional names or those longer than 35 characters in length

Syntax Notes: Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of this segment is optional

when HL03 is ''4''.

	Ref.	Data				
	Des.	Element	<u>Name</u>	At	<u>tribute</u>	<u>es</u>
Must Use	N201	93	Name	M	$\mathbf{A}\mathbf{N}$	1/35
			Free-form name			
	N202	93	Name	0	$\mathbf{A}\mathbf{N}$	1/35
			Free-form name			

Segment: N3 Address Information

Position: 360
Loop: NM1
Level: Detail
Usage: Optional

Max Use: 2

Purpose: To specify the location of the named party

Syntax Notes: Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of this segment is optional

when HL03 is "4".

	Ref.	Data				
	Des.	Element	<u>Name</u>	<u>At</u>	<u>tribute</u>	<u>es</u>
Must Use	N301	166	Address Information	M	$\mathbf{A}\mathbf{N}$	1/35
			Address information			
	N302	166	Address Information	0	$\mathbf{A}\mathbf{N}$	1/35
			Address information			

Segment: N4 Geographic Location

Position: 370
Loop: NM1
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named partySyntax Notes: 1 If N406 is present, then N405 is required.

Semantic Notes:

Comments: 1 A combination of either N401 through N404, or N405 and N406 may be

adequate to specify a location.

2 N402 is required only if city name (N401) is in the USA or Canada.

Notes: When submitting the 811 to any federal agency, use of this segment is optional

when HL03 is ''4''.

Ref.	Data					
Des.	Element	<u>Name</u>		<u>At</u> 1	tribute	<u>es</u>
N401	19	City Name		O	AN	2/30
		Free-form text	for city name			
N402	156	State or Prov	ince Code	O	ID	2/2
		Code (Standar agency	d State/Province) as defined by appropria	ate go	vernm	ent
N403	116	Postal Code		O	ID	3/11
		_	international postal zone code excluding de for United States)	punc	tuation	and
N404	26	Country Code	e	O	ID	2/3
		Code identifyi	ng the country			
N405	309	Location Qua	lifier	\mathbf{X}	ID	1/2
		Code identifyi	ng type of location			
		AC	City and State			
		CC	Country			
		CI	City			
		SP	State/Province			
N406	310	Location Ider	ntifier	O	AN	1/30
		Code which id	lentifies a specific location			

Segment: PER Administrative Communications Contact

Position: 380
Loop: NM1
Level: Detail
Usage: Optional

Max Use: 3

Purpose: To identify a person or office to whom administrative communications should be

lirected

Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.

If either PER05 or PER06 is present, then the other is required.
If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of this segment is optional

when HL03 is "4".

Data Element Summary

			Data Elemo	ent Summary				
	Ref.	Data						
	Des.	<u>Element</u>	<u>Name</u>		Att	tribute	<u>es</u>	
Must Use	PER01	366	Contact Function	Code	\mathbf{M}	ID	2/2	
			Code identifying the named	ne major duty or responsibility of the	perso	on or g	roup	
			AD	Accounting Department				
			BD	Buyer Name or Department				
			BI	Bill Inquiry Contact				
				Service Provider contact for making inquires about information on the invoice				
			CC	Computer Systems Contact				
			DA	Directory Advertising Contact				
				Service Provider contact for question changes to, directory advertising	ns at	oout, a	nd	
			IC	Information Contact				
			MA	Maintenance Contact				
				Service Provider contact for request maintainance, or reporting problems	_	ervice		
			OC	Order Contact				
			OD	Order Department				
			PM	Product Manager				
			QA	Quality Assurance Contact				
			SR	Sales Representative or Department				
			TR	Technical Marketing Representative	<u>;</u>			
	PER02	93	Name		O	AN	1/35	

Free-form name

	PER03	365	Communicati	on Number Qualifier	X	ID	2/2
			Code identifying	ng the type of communication number			
			AU	Defense Switched Network			
				Department of Defense telecommunand successor of the Automatic Voi (AUTOVON)		-	
				This code is to be used only within government.	thej	federa	l
			EM	Electronic Mail			
			FX	Facsimile			
			TE	Telephone			
	PER04	364	Communicati	on Number	X	AN	1/80
			Complete com applicable	munications number including country or	r area	code	when
	PER05	365	Communicati	on Number Qualifier	X	ID	2/2
			Code identifying	ng the type of communication number			
			AU	Defense Switched Network			
				Department of Defense telecommunand successor of the Automatic Voi (AUTOVON)		•	
				This code is to be used only within government.	the j	federa	l
			EM	Electronic Mail			
			FX	Facsimile			
			TE	Telephone			
	PER06	364	Communicati	on Number	X	AN	1/80
			Complete com applicable	munications number including country or	r area	code	when
	PER07	365	Communicati	on Number Qualifier	X	ID	2/2
			Code identifying	ng the type of communication number			
			See codes in P	PER05.			
	PER08	364	Communicati	on Number	X	AN	1/80
			Complete com applicable	munications number including country of	r area	code	when
Not Used	PER09	443	Contact Inqui	iry Reference	0	AN	1/20
			Additional refe	erence number or description to clarify a	conta	ct nun	nber

Segment: SLN Subline Item Detail

Position: 390
Loop: SLN
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify product subline detail item data

Syntax Notes: 1 If SLN07 is present, then SLN06 is required.

- 2 If SLN08 is present, then SLN06 is required.
 3 If either SLN09 or SLN10 is present, then the other is required.
- 4 If either SLN11 or SLN12 is present, then the other is required.
- 5 If either SLN13 or SLN14 is present, then the other is required.
- 6 If either SLN15 or SLN16 is present, then the other is required.
- 7 If either SLN17 or SLN18 is present, then the other is required.
- 8 If either SLN19 or SLN20 is present, then the other is required.
- 9 If either SLN21 or SLN22 is present, then the other is required.
- 10 If either SLN23 or SLN24 is present, then the other is required.
- 11 If either SLN25 or SLN26 is present, then the other is required.
- 12 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes:

- 1 SLN01 is the identifying number for the subline item.
- 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
- 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
- 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

- 1 See the Data Dictionary for a complete list of ID's.
- 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
- 3 SLN09 through SLN28 provide for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Notes:

- 1. The SLN loop may only appear at HL8 (Charge Detail Level).
- 2. When submitting the 811 to any federal agency, use of the SLN loop is required when HL03 is "8".

	IXCI.	Data				
	Des.	Element	<u>Name</u>	<u>Att</u>	ribute	<u>:S</u>
Must Use	SLN01	350	Assigned Identification	M	AN	1/11
			Alphanumeric characters assigned for differentiation with set	ıin a	ı transa	action
	SLN02	350	Assigned Identification	O	AN	1/11
			Alphanumeric characters assigned for differentiation with	iin a	transa	action

set Must Use SLN03 662 **Relationship Code** M ID 1/1 Code indicating the relationship between entities Ι Included Must Use SLN04 **380** Quantity \mathbf{M} \mathbf{R} 1/15 Numeric value of quantity Must Use SLN05 355 **Unit or Basis for Measurement Code** M ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

When SLN05 = "M4" Rules of extended pricing do not apply.

Proposed TCIF change - When used, M4 equals the roll up from lower levels (see TCIF summing rules in TCIF Section 7.3).

ers (see I CII	summing rules in 1 CII Section 7.5).
03	Seconds
12	Packet
1X	Quarter Mile
AD	Bytes
	Number of bytes of data transmitted
AH	Additional Minutes
	The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service
AL	Access Lines
	Number of lines subject to Carrier Access Line Charges
C0	Calls
	Number of calls handled
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records
	Number of Data Records handled
DY	Directory Books
	Number of directory books delivered to customer
EA	Each
EB	Electronic Mail Boxes
	Number of Electronic Mail Boxes established for an account
EV	Envelope
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size

H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.
S6	Sessions
	Number of interactive sessions handled
S7	Storage Units
	Number of storage increments used
SG	Segment

		Т0	Telecommunications Lines in Serv	vice		
			Snapshot sample of lines in servic	e		
		UB	Telecommunications Lines in Serv	vice - A	Averag	ge
			Average number of lines in service access requirements	e speci	ific to	equal
		UC	Telecommunications Ports			
			Number of network access ports			
		UD	Tenth Minutes			
			Number of 6 second increments of	f usage	2	
		UE	Tenth Hours			
			Number of 6 minute increments of	f usage	e	
		UF	Usage per Telecommunications Li	ne - A	verage	•
		UN	Unit			
		ZZ	Mutually Defined			
SLN06	212	Unit Price		X	R	1/17
		Price per unit o	of product, service, commodity, etc.			
SLN07	639	Basis of Unit I	Price Code	0	ID	2/2
		Code identifyir	ng the type of unit price for an item			
		BD	Before Discount			
			Full amount for the service prior to any appropriate discounts	o appli	cation	of
		CP	Current Price (Subject to Change)			
		CT	Contract			
		DP	Daily Price per Unit			
		PB	Annual Price Per Unit			
			Price changed Once per Year			
		PE	Price per Each			
		PM	Monthly Price Per Unit			
		TE	Contract Price per Each			
		TP	Price per Thousand			
		WI	Weekly Price per Unit			
			Price charged once per week			
SLN08	662	Relationship (O	ID	1/1
		`	g the relationship between entities			
		A	Add			
		D	Delete			
		I	Included			
		О	Information Only			
			Charges which relate to but may n or added to the unit price of the SI WATS calculation based upon usa	LN. (i.e	e., con	npute

	SLN09	235	Product/Service ID Qualifier	X	ID	2/2
			Code identifying the type/source of the descriptive num Product/Service ID (234)	ber u	sed in	
			SV Service Rendered			
	SLN10	234	Product/Service ID	X	AN	1/40
			Identifying number for a product or service			
			See TCIF Section 10.4 for valid values.			
Not Used	SLN11	235	Product/Service ID Qualifier	X	ID	2/2
			Code identifying the type/source of the descriptive num Product/Service ID (234)	ber u	sed in	
Not Used	SLN12	234	Product/Service ID	X	AN	1/40
			Identifying number for a product or service			
Not Used	SLN13	235	Product/Service ID Qualifier	X	ID	2/2
			Code identifying the type/source of the descriptive num Product/Service ID (234)	ber u	sed in	
Not Used	SLN14	234	Product/Service ID	X	AN	1/40
			Identifying number for a product or service			
Not Used	SLN15	235	Product/Service ID Qualifier	X	ID	2/2
			Code identifying the type/source of the descriptive num Product/Service ID (234)	ber u	sed in	
Not Used	SLN16	234	Product/Service ID	X	AN	1/40
			Identifying number for a product or service			
Not Used	SLN17	235	Product/Service ID Qualifier	X	ID	2/2
			Code identifying the type/source of the descriptive num Product/Service ID (234)	ber u	sed in	
Not Used	SLN18	234	Product/Service ID	X	AN	1/40
			Identifying number for a product or service			
Not Used	SLN19	235	Product/Service ID Qualifier	X	ID	2/2
			Code identifying the type/source of the descriptive num Product/Service ID (234)	ber u	sed in	
Not Used	SLN20	234	Product/Service ID	X	AN	1/40
			Identifying number for a product or service			
Not Used	SLN21	235	Product/Service ID Qualifier	X	ID	2/2
			Code identifying the type/source of the descriptive num Product/Service ID (234)	ber u	sed in	
Not Used	SLN22	234	Product/Service ID	X	AN	1/40
			Identifying number for a product or service			
Not Used	SLN23	235	Product/Service ID Qualifier	X	ID	2/2
			Code identifying the type/source of the descriptive num Product/Service ID (234)	ber u	sed in	
Not Used	SLN24	234	Product/Service ID	X	AN	1/40
			Identifying number for a product or service			

Not Used	SLN25	235	Product/Service ID Qualifier	X	ID	2/2
			Code identifying the type/source of the descriptive num Product/Service ID (234)	ber u	sed in	
Not Used	SLN26	234	Product/Service ID	\mathbf{X}	AN	1/40
			Identifying number for a product or service			
Not Used	SLN27	235	Product/Service ID Qualifier	\mathbf{X}	ID	2/2
			Code identifying the type/source of the descriptive num Product/Service ID (234)	ber u	sed in	
Not Used	SLN28	234	Product/Service ID	X	AN	1/40
			Identifying number for a product or service			

Segment: SI Service Characteristic Identification

Position: 400
Loop: SLN
Level: Detail
Usage: Optional

Max Use: 2

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- **6** If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

1 SI01 defines the source for each of the service characteristics qualifiers.

Notes:

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "8".

2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

	Ref.	Data	·			
	Des.	Element	<u>Name</u>	Att	<u>ribute</u>	<u>es</u>
Must Use	SI01	559	Agency Qualifier Code	M	ID	2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
Must Use	SI02	1000	Service Characteristics Qualifier	M	ID	2/2
			Code from an industry code list qualifying the type of secharacteristics	rvice	;	
Must Use	SI03	234	Product/Service ID	M	AN	1/40
			Identifying number for a product or service			
	SI04	1000	Service Characteristics Qualifier	X	ID	2/2
			Code from an industry code list qualifying the type of secharacteristics	rvice	;	
	SI05	234	Product/Service ID	X	AN	1/40
			Identifying number for a product or service			
	SI06	1000	Service Characteristics Qualifier	X	ID	2/2
			Code from an industry code list qualifying the type of secharacteristics	rvice	;	
	SI07	234	Product/Service ID	\mathbf{X}	AN	1/40

		Identifying number for a product or service			
SI08	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI09	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI10	1000	Service Characteristics Qualifier	\mathbf{X}	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	2	
SI11	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI12	1000	Service Characteristics Qualifier	\mathbf{X}	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	2	
SI13	234	Product/Service ID	\mathbf{X}	AN	1/40
		Identifying number for a product or service			
SI14	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI15	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI16	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI17	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI18	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI19	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI20	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI21	234	Product/Service ID	X	$\mathbf{A}\mathbf{N}$	1/40
		Identifying number for a product or service			

Segment:	PID Product/Item Description
Position:	410
Loop:	SLN
Level:	Detail
Usage:	Optional
Max Use:	200
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID03 is required.
Semantic Notes:	1 Use PID03 to indicate the organization that publishes the code list being referred
	to.
	2 PID04 should be used for industry-specific product description codes.
	3 PID08 describes the physical characteristics of the product identified in PID04.
	A ``Y" indicates that the specified attribute applies to this item. A ``N" indicates
	it does not apply. Any other value is indeterminate.
Comments:	1 If PID01 = ``F", then PID05 is used. If PID01 = ``S", then PID04 is used. If
	PID01 = ``X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being
	described in the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	When submitting the 811 to any federal agency, use of the PID segment is
	optional when HL03 is "8".
	D 4 70 4 6

	Ref. Des.	Data Element	Name	•	Att	tribute	es
Must Use		349	Item Description	т Туре	M	ID	
			Code indicating t	he format of a description			
			F	Free-form			
			S	Structured (From Industry Code Lis	t)		
			X	Semi-structured (Code and Text)			
Not Used	PID02	750	Product/Process	Characteristic Code	O	ID	2/3
			Code identifying	the general class of a product or proce	ss cha	aracter	ristic
	PID03	559	Agency Qualifie	r Code	\mathbf{X}	ID	2/2
			Code identifying	the agency assigning the code values			
			AS	Assigned by Seller			
	PID04	751	Product Descrip	tion Code	\mathbf{X}	$\mathbf{A}\mathbf{N}$	1/12
			A code from an in product character	ndustry code list which provides specificistic	ic da	ta aboı	ut a
	PID05	352	Description		\mathbf{X}	$\mathbf{A}\mathbf{N}$	1/80
			A free-form desc content	ription to clarify the related data eleme	nts a	nd thei	ir

Not Used	PID06	752	Surface/Layer/Position Code	O	ID	2/2
			Code indicating the product surface, layer or position the described	at is l	oeing	
Not Used	PID07	822	Source Subqualifier	O	AN	1/15
			A reference that indicates the table or text maintained by Qualifier	the	Source	e
Not Used	PID08	1073	Yes/No Condition or Response Code	O	ID	1/1
			Code indicating a Yes or No condition or response			

CUR Currency **Segment: Position:** 420 SLN Loop: Level: Detail Usage: **Optional** Max Use: **Purpose:** To specify the currency (dollars, pounds, francs, etc.) used in a transaction **Syntax Notes:** If CUR08 is present, then CUR07 is required. 2 If CUR09 is present, then CUR07 is required. 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required. 4 If CUR11 is present, then CUR10 is required. 5 If CUR12 is present, then CUR10 is required. If CUR13 is present, then at least one of CUR14 or CUR15 is required. 7 If CUR14 is present, then CUR13 is required. 8 If CUR15 is present, then CUR13 is required. If CUR16 is present, then at least one of CUR17 or CUR18 is required. 10 If CUR17 is present, then CUR16 is required. 11 If CUR18 is present, then CUR16 is required. 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required. 13 If CUR20 is present, then CUR19 is required. 14 If CUR21 is present, then CUR19 is required. **Semantic Notes: Comments:** See Figures Appendix for examples detailing the use of the CUR segment. **Notes:** When submitting the 811 to any federal agency, use of this segment is optional when HL03 is ''8''. **Data Element Summary** Ref. Data **Element Name Attributes** Des. Must Use CUR01 **Entity Identifier Code** 98 ID 2/2 Code identifying an organizational entity, a physical location, or an individual PR Payer Must Use CUR02 100 3/3 **Currency Code** M ID Code (Standard ISO) for country in whose currency the charges are specified For additional values, request ISO document 4217. Canadian Dollars CAD**USD United States Dollars Exchange Rate** CUR03 280 \mathbf{o} 4/6 Value to be used as a multiplier conversion factor to convert monetary value from one currency to another CUR04 98 **Entity Identifier Code** 2/2 0 ID Code identifying an organizational entity, a physical location, or an

		individual	
		PE	Payee
		PM	Party to receive paper Memo of Invoice
		RI	Remit To
		SE	Selling Party
		SJ	Service Provider
			Identifies name and address information as pertaining to a service provider for which billing is being rendered
CUR05	100	Currency (
		•	dard ISO) for country in whose currency the charges are
			Canadian Dollars
		USD U	Inited States Dollars
CUR06	669	Currency I	Market/Exchange Code O ID 3/3
		Code identi based	fying the market upon which the currency exchange rate is
		IMF	International Monetary Fund
		LNF	London (England) Exchange - First Closing
		LNS	London (England) Exchange - Second Closing
		NYC	New York Foreign Exchange
		PHI	Philadelphia Foreign Exchange
		ZUR	Zurich (Switzerland) Exchange
CUR07	374	Date/Time	Qualifier X ID 3/3
		Code specif	Tying type of date or time, or both date and time
		001	Cancel After
		003	Invoice
		007	Effective
		009	Process
		035	Delivered
		092	Contract Effective
			Contract Effective
		093	Contract Expiration
		093	Contract Expiration
		093 102	Contract Expiration Issue
		093 102 150	Contract Expiration Issue Service Period Start
		093 102 150 151	Contract Expiration Issue Service Period Start Service Period End
		093 102 150 151	Contract Expiration Issue Service Period Start Service Period End Effective Date of Change
		093 102 150 151 152	Contract Expiration Issue Service Period Start Service Period End Effective Date of Change Date on which the change went into effect
		093 102 150 151 152	Contract Expiration Issue Service Period Start Service Period End Effective Date of Change Date on which the change went into effect Service Interruption
CUR08	373	093 102 150 151 152 153 154	Contract Expiration Issue Service Period Start Service Period End Effective Date of Change Date on which the change went into effect Service Interruption Adjustment Period Start

	CUR09	337	Time	o	TM	4/8
			Time expressed in 24-hour clock time as follows: HHMM or HHMMSSD, or HHMMSSDD, where H = hours (00-59), S = integer seconds (00-59) and DD = decimal seconds are expressed as follows: D = tenths (0-9) and D (00-99)	23), ecoi	M = m	ninutes ecimal
Not Used	CUR10	374	Date/Time Qualifier	X	ID	3/3
			Code specifying type of date or time, or both date and time	ne		
Not Used	CUR11	373	Date	\mathbf{X}	DT	6/6
			Date (YYMMDD)			
Not Used	CUR12	337	Time	\mathbf{X}	TM	4/8
			Time expressed in 24-hour clock time as follows: HHMM or HHMMSSD, or HHMMSSDD, where H = hours (00-2000), S = integer seconds (00-59) and DD = decimal seconds are expressed as follows: D = tenths (0-9) and D (00-99)	23), ecoi	M = m $nds; de$	ninutes ecimal
Not Used	CUR13	374	Date/Time Qualifier	\mathbf{X}	ID	3/3
			Code specifying type of date or time, or both date and time	ne		
Not Used	CUR14	373	Date	\mathbf{X}	DT	6/6
			Date (YYMMDD)			
Not Used	CUR15	337	Time	\mathbf{X}	TM	4/8
			Time expressed in 24-hour clock time as follows: HHMM or HHMMSSD, or HHMMSSDD, where H = hours (00-2000), S = integer seconds (00-59) and DD = decimal seconds are expressed as follows: D = tenths (0-9) and D (00-99)	23), ecoi	M = m	ninutes ecimal
Not Used	CUR16	374	Date/Time Qualifier	\mathbf{X}	ID	3/3
			Code specifying type of date or time, or both date and time	ne		
Not Used	CUR17	373	Date	\mathbf{X}	DT	6/6
			Date (YYMMDD)			
Not Used	CUR18	337	Time	X	TM	4/8
			Time expressed in 24-hour clock time as follows: HHMM or HHMMSSD, or HHMMSSDD, where H = hours (00-59), S = integer seconds (00-59) and DD = decimal seconds are expressed as follows: D = tenths (0-9) and D (00-99)	23), ecoi	M = m	ninutes ecimal
Not Used	CUR19	374	Date/Time Qualifier	X	ID	3/3
			Code specifying type of date or time, or both date and time	ne		
Not Used	CUR20	373	Date	\mathbf{X}	DT	6/6
			Date (YYMMDD)			
Not Used	CUR21	337	Time	X	TM	4/8
			Time expressed in 24-hour clock time as follows: HHMM or HHMMSSD, or HHMMSSDD, where H = hours (00-2)			

811 Consolidated Service Invoice/Statement - Telecommunications

(00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Segment: INC Installment Information

Position: 430
Loop: SLN
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify installment billing arrangement

Syntax Notes:

Semantic Notes: 1 INC02 is the installment period (e.g., months).

2 INC03 is the total number of installments.3 INC04 is the number of the current installment.

4 INC05 is the installment balance after the current installment is applied.

Comments:

Notes: When submitting the 811 to any federal agency, use of the INC segment is

optional when HL03 is "8".

	Ref.	Data				
	Des.	Element	<u>Name</u>	Att	<u>ribut</u>	<u>es</u>
Must Use	INC01	336	Terms Type Code	\mathbf{M}	ID	2/2
			Code identifying type of payment terms			
			04 Deferred or Installment			
Must Use	INC02	355	Unit or Basis for Measurement Code	M	ID	2/2
			Code specifying the units in which a value is being exprin which a measurement has been taken	essed	, or m	nanner
			MO Months			
Must Use	INC03	380	Quantity	M	R	1/15
			Numeric value of quantity			
			Indicates the total number of installments.			
Must Use	INC04	380	Quantity	M	R	1/15
			Numeric value of quantity			
			Indicates number of current installments.			
	INC05	782	Monetary Amount	0	R	1/15
			Monetary amount			
			Balance remaining after this installment is billed.			

Segment:

Must Use ITA04

331

04

06

ITA Allowance, Charge or Service

D :::	4.40		., g						
Position:	440	SLN							
Loop:		Detail Detail							
Level:									
Usage:	Optional								
Max Use:	10	C 11							
Purpose:	_	-	es, charges, or services	14.		1			
Syntax Notes:		_	ent, then at least one of ITA03 ITA13 or ITA	.14 1S	requi	red.			
		-	ent, then ITA09 is required.	.1					
			or ITA11 is present, then the other is required	J.					
Semantic Notes:			A15 is present, then ITA02 is required. 9 is the allowance or charge percent.						
Semantic Notes:			<u> </u>	ontity	ic dif	forent			
		TA10 is the quantity basis when the allowance or charge quantity is different rom the purchase order or invoice quantity.							
		-	antity of free goods.						
Comments:		_	llowance or C-Charge, then at least one of IT	`A06,	ITAC	7, or			
		08 must be p							
	2 ITA	02 identifies	s the source of the code value in ITA03 or IT	A15.					
	3 If IT	A07 is pres	ent with either ITA06 or ITA08, then ITA07	takes	prece	edence.			
	4 ITA	13 is used to	clarify the allowance, charge, or service.						
	5 ITA	15 specifies	the individual code list of the agency specifi	ed in	ITA0	2.			
			s the relationship of ITA06, ITA07 or ITA09	to an	assoc	iated			
	segn								
Notes:		_	e 811 to any federal agency, use of the ITA	segm	ient is				
	optional	when HL03	3 is ''8''.						
		.	77						
Dof	Doto	Dat	a Element Summary						
Ref.	Data Element	Nome		A 44	ribut	0.0			
<u>Des.</u> Must Use ITA01	Element 248		or Charge Indicator	M M	ID ID	<u>es</u> 1/1			
Must Ose 11A01	270		h indicates an allowance or charge for the sea						
			Allowance	VICC	specii	icu			
		A							
		С	Charge						
		N	No Allowance or Charge						
ITA02	559	Agency Qu	ıalifier Code	X	ID	2/2			
		Code ident	ifying the agency assigning the code values						
		TI	Telecommunications Industry						
ITA03	560	Special Ser	rvices Code	\mathbf{X}	ID	2/10			
		Code ident	ifying the special service						
			Section 10.4 for valid values.						

Allowance or Charge Method of Handling Code

Code indicating method of handling for an allowance or charge

Credit Customer Account

Charge to be Paid by Customer

M ID

2/2

			ZZ	Mutually Defined			
	ITA05	341	Allowance or	Charge Number	O	AN	1/16
			The number as deal or charge	ssigned by a vendor referencing an allov	vance,	promo	otion,
	ITA06	359	Allowance or	Charge Rate	O	R	1/9
			Allowance or	Charge Rate per Unit			
	ITA07	360	Allowance or	Charge Total Amount	O	N2	1/9
			Total dollar ar	nount for the allowance or charge			
	ITA08	378	Allowance/ C	harge Percent Qualifier	O	ID	1/1
			Code indicatir	ng on what basis allowance or charge per	rcent is	calcu	lated
			9	Late Payment Charge Base Amoun	nt		
				Amount outstanding after the past subject to a late payment charge	due da	ite, an	d
	ITA09	332	Percent		X	R	1/6
			Percent expres	ssed as a percent			
	ITA10	380	Quantity		X	R	1/15
			Numeric value	Numeric value of quantity			
	ITA11	355	Unit or Basis	Unit or Basis for Measurement Code			
				Code specifying the units in which a value is being exp n which a measurement has been taken			anner
			Refer to code	list provided in the ITA segment in Tal	ble 2 pe	osition	180.
Not Used	ITA12	380	Quantity		O	R	1/15
			Numeric value	e of quantity			
	ITA13	352	Description		X	AN	1/80
			A free-form decontent	escription to clarify the related data elen	nents a	nd the	ir
	ITA14	150	Special Charg	ge or Allowance Code	X	ID	3/3
			Code identifyi	ing type of special charge or allowance			
			See TCIF Sec	ction 10.4 for valid values.			
Not Used	ITA15	822	Source Subqu	ualifier	O	AN	1/15
			A reference th Qualifier	at indicates the table or text maintained	by the	Sourc	e
	ITA16	662	Relationship	Code	O	ID	1/1
			Code indicatir	ng the relationship between entities			
			A	Add			
			D	Delete			
			I	Included			
			O	Information Only			
				Charges which relate to but may nor added to the unit price of the SI WATS calculation based upon usa	LN. (i.e	e., con	pute

Segment: TXI Tax Information

Position: 450
Loop: SLN
Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify tax information

Syntax Notes: 1 At least one of TXI02 TXI03 or TXI06 is required.

2 If either TXI04 or TXI05 is present, then the other is required.

3 If TXI08 is present, then TXI03 is required.

Semantic Notes: 1 TXI07 is a code indicating the relationship of the price or amount to the

associated segment.

Comments: 1 TXI02 is the monetary amount of the tax.

2 TXI03 is the tax percent expressed as a decimal.

3 If TXI02 is not used, then the application of the percent (TXI03) is between

trading partners.

Notes: When submitting the 811 to any federal agency, use of the TXI segment is

optional when HL03 is "8".

Data Element Summary

	Ref.	Data					
	Des.	Element	<u>Name</u>	<u>A</u>	tt	<u>ribut</u>	<u>es</u>
Must Use	TXI01	963	Tax Type Code	\mathbf{N}	[ID	2/2
			Code specifying the type of tax				
			Use any code. The listed codes are preferred.				
			CA City Tax				
			FD Federal Tax				

FI Federal Income Tax Withholding

FT Federal Excise Tax
FR Franchise Tax
GR Gross Receipts Tax
LS State and Local Sales Tax

MP Municipal Tax
OT Occupation Tax
PS Service Tax

SA State or Provincial Fuel Tax

SC School Tax
SE Excise Tax
TD Handiagn F

TD Handicap Deaf Tax

UL Business Tax ZE 911 Tax

Refer to 003050 Data Element Dictionary for acceptable code values.

TXI02 782 Monetary Amount X R 1/15

Monetary amount

	TXI03	954	Percent		X	R	1/10
			Percentage expres	sed as a decimal			
			Tax rate for this j	urisdiction.			
	TXI04	955	Tax Jurisdiction	Code Qualifier	X	ID	2/2
			Code identifying t	he source of the data used in tax juriso	dictio	n code	;
			CD	Customer defined			
			VD	Vendor defined			
			VE	Vertex			
	TXI05	956	Tax Jurisdiction	Code	X	AN	1/10
			Code identifying t	Code identifying the taxing jurisdiction			
	TXI06	441	Tax Exempt Code	e	X	ID	1/1
			Code identifying e	exemption status from sales and use ta	X		
			1	Yes (Tax Exempt)			
			2	No (Not Tax Exempt)			
	TXI07	662	Relationship Code		0	ID	1/1
			Code indicating th	e relationship between entities			
			A	Add			
			D	Delete			
			O	Information Only			
				Charges which relate to but may no or added to the unit price of the SLN WATS calculation based upon usag	٧. (i.e	e., com	
	TXI08	828	Dollar Basis For	Percent	o	R	1/9
			Dollar basis to be or tax	used in the percent calculation of the	allow	ance,	charge
	TXI09	325	Tax Identification	n Number	o	AN	1/20
			_	to a purchaser (buyer, orderer) by a ta); often called a tax exemption number	_	_	
Not Used	TXI10	350	Assigned Identific	cation	O	$\mathbf{A}\mathbf{N}$	1/11
			Alphanumeric cha set	racters assigned for differentiation wi	thin a	a trans	action

Segment: **REF** Reference Numbers

Position: 460
Loop: SLN
Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify identifying numbers.

Syntax Notes: 1 At least one of REF02 or REF03 is required.

Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the REF segment is

optional when HL03 is "8".

	Ref.	Data							
	Des.	Element	<u>Name</u>	<u>Att</u>	<u>ribute</u>	<u>s</u>			
Must Use	REF01	128	Reference Number Qualifier	\mathbf{M}	ID	2/2			
			Code qualifying the Reference Number.						
			Refer to code list provided in the REF segment in Tabl	e 2 p	ositio	ı 50.			
	REF02	127	Reference Number	X	AN	1/30			
			Reference number or identification number as defined for Transaction Set, or as specified by the Reference Number						
	REF03	352	Description	X	AN	1/80			
			A free-form description to clarify the related data elements and their content						

Segment: PER Administrative Communications Contact

Position: 470
Loop: SLN
Level: Detail
Usage: Optional

Max Use: 3

Purpose: To identify a person or office to whom administrative communications should be

lirected

Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.

2 If either PER05 or PER06 is present, then the other is required.
3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of this segment is optional

when HL03 is "8".

Data Element Summary

			Data Elemo	ent Summary			
	Ref.	Data					
	Des. I	<u>Element</u>	<u>Name</u>		Att	<u>ribute</u>	<u>es</u>
Must Use	PER01	366	Contact Function	Code	\mathbf{M}	ID	2/2
			Code identifying the named	ne major duty or responsibility of the	perso	n or gi	roup
			AD	Accounting Department			
			BD	Buyer Name or Department			
			BI	Bill Inquiry Contact			
				Service Provider contact for making information on the invoice	g inqu	iires al	out
			CC	Computer Systems Contact			
			DA	Directory Advertising Contact			
				Service Provider contact for question changes to, directory advertising	ns ab	out, ai	nd
			IC	Information Contact			
			MA	Maintenance Contact			
				Service Provider contact for request maintainance, or reporting problems	_	ervice	
			OC	Order Contact			
			OD	Order Department			
			PM	Product Manager			
			QA	Quality Assurance Contact			
			SR	Sales Representative or Department			
			TR	Technical Marketing Representative	;		
	PER02	93	Name		0	AN	1/35

Free-form name

	PER03	365	Communication	on Number Qualifier	X	ID	2/2
			Code identifyin	ng the type of communication number			
			AU	Defense Switched Network			
				Department of Defense telecommunand successor of the Automatic Voi (AUTOVON)		-	
				This code is to be used only within government.	the j	federai	!
			EM	Electronic Mail			
			FX	Facsimile			
			TE	Telephone			
	PER04	364	Communication	on Number	X	AN	1/80
			Complete commapplicable	munications number including country or	r area	code	when
	PER05	365	Communication	on Number Qualifier	X	ID	2/2
			Code identifyin	ng the type of communication number			
			AU	Defense Switched Network			
				Department of Defense telecommunand successor of the Automatic Voi (AUTOVON)			
				This code is to be used only within	the	ederai	!
				government.			
			EM	Electronic Mail			
			FX	Facsimile			
			TE	Telephone			
	PER06	364	Communication	on Number	X	AN	1/80
			Complete compaphicable	munications number including country or	r area	code	when
	PER07	365	Communication	on Number Qualifier	X	ID	2/2
			Code identifyin	ng the type of communication number			
			See PER05 for	r code values.			
	PER08	364	Communication	on Number	\mathbf{X}	AN	1/80
			Complete compapplicable	munications number including country or	r area	code	when
Not Used	PER09	443	Contact Inqui	ry Reference	0	AN	1/20
			Additional refe	rence number or description to clarify a	conta	ct num	ıber

DTM Date/Time Reference **Segment:**

Position: 480 Loop: SLN Level: Detail **Usage:** Optional Max Use: 10

Purpose: To specify pertinent dates and times

At least one of DTM02 DTM03 or DTM06 is required. **Syntax Notes:**

If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

When submitting the 811 to any federal agency, use of the DTM segment is **Notes:**

optional when HL03 is "8".

			Data Eleme	ent Summary			
	Ref.	Data					
	<u>Des.</u>	Element	<u>Name</u>			<u>ribute</u>	_
Must Use	DTM01	374	Date/Time Qualif	ier	M	ID	3/3
			Code specifying ty	pe of date or time, or both date and ti	me		
			001	Cancel After			
			003	Invoice			
			007	Effective			
			009	Process			
			035	Delivered			
			050	Received			
			092	Contract Effective			
			093	Contract Expiration			
			102	Issue			
			150	Service Period Start			
			151	Service Period End			
			152	Effective Date of Change			
				Date on which the change went into	effec	et	
			153	Service Interruption			
			154	Adjustment Period Start			
			155	Adjustment Period End			
			201	Acceptance			
	DTM02	373	Date		\mathbf{X}	DT	6/6
			Date (YYMMDD)				
Not Used	DTM03	337	Time		\mathbf{X}	TM	4/8
			-	24-hour clock time as follows: HHM HHMMSSDD, where H = hours (00			

(00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths

(00-99)Not Used DTM04 **Time Code** $\mathbf{0}$ ID 2/2 623 Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow **DTM05** 624 Century O N₀ 2/2 The first two characters in the designation of the year (CCYY) Not Used DTM06 1250 **Date Time Period Format Qualifier** ID 2/3 Code indicating the date format, time format, or date and time format AN 1/35 Not Used DTM07 **Date Time Period** 1251 Expression of a date, a time, or range of dates, times or dates and times

Segment: AMT Monetary Amount

Position: 490
Loop: SLN
Level: Detail
Usage: Optional
Max Use: 10

Purpose: To indicate the total monetary amount

Syntax Notes: Semantic Notes: Comments:

mments.

Notes: When submitting the 811 to any federal agency, use of the AMT segment is

optional when HL03 is "8".

			Data Eleme	ent Summary			
	Ref.	Data					
3.5	Des.	Element 522				ribute	_
Must Use	AMT01	522	Amount Qualifier		M	ID	1/2
			Code to qualify am				
			1	Line Item Total			
			5	Total Invoice Amount			
			6	Amount Subject to Total Monetary I	Disco	unt	
			8	Total Monetary Discount Amount			
			AD	Adjusted Total			
			AP	Amount Prior to Fractionalization			
				Full charge amount for the service period, prior to pro-rated fractionali partial period billing			to
			AQ	Average Price Per Call			
				The total amount of money associate category of calls divided by the total within the category calculated to prosummary details	l nun	iber of	f calls
			AS	Average Price Per Minute			
				The total amount of money associate category of calls divided by the total minutes within the category calculate call summary details	l nun	iber of	
			AX	Previous Price			
			BT	Bank Reject Total			
			СН	Change Amount			
			CS	Commission Sales			
				Those sales used to calculate comm	issioı	ı payn	nents
			CT	Contract			
				Indicates the value stated in the con	tract		

811 Consolidated Service Invoice/Statement - Telecommunications

		LI	Line Item Unit Price			
		N	Net			
			Indicates the value remaining after adjustments have been made	all de	ductio	ons and
		NA	Net Adjustment			
		NO	Non Commission Sales			
			Those sales not included for comm calculation	ission	paym	ent
		NS	Net Savings Amount			
			Amount of dollar saving resulting f service, such as Optional Calling P		he use	of
		PB	Billed Amount			
			Total amount due on the period bill	=		
		SC	Total Service Charge			
		TP	Total payment amount			
		TS	Total Sales			
			The total of commission and non connected to calculate intersell amoun		ssion s	sales
		TT	Total Transaction Amount			
Must Use AMT02	782	Monetary Amou	int	\mathbf{M}	R	1/15
		Monetary amoun	t			
Not Used AMT03	478	Credit/Debit Fla	g Code	O	ID	1/1
		Code indicating v	whether amount is a credit or debit			

Segment: MSG Message Text

Position: 500
Loop: SLN
Level: Detail
Usage: Optional

Max Use: >1

Purpose: To provide a free form format that would allow the transmission of text information.

Syntax Notes: Semantic Notes:

Comments: 1 MSG02 is not related to the specific characteristics of a printer, but identifies

top of page, advance a line, etc.

Notes: When submitting the 811 to any federal agency, use of the MSG segment is

optional when HL03 is "8".

	Ref.	Data				
	Des.	Element	<u>Name</u>	Att	<u>ribute</u>	e <u>s</u>
Must Use	MSG01	933	Free-Form Message Text	M	AN	1/264
			Free-form message text			
Not Used	MSG02	934	Printer Carriage Control Code	0	ID	2/2
			A field to be used for the control of the line feed of the r	eceiv	ing pr	inter

Segment: QTY Quantity

Position: 510
Loop: QTY
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify quantity information

Syntax Notes: Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the QTY loop is optional

when HL03 is "8".

	Ref.	Data						
	Des.	Element	<u>Name</u>	Att	ribute	<u>s</u>		
Must Use	QTY01	673	Quantity Qualifier	M	ID	2/2		
			Code specifying the type of quantity					
		Refer to code list provided in the QTY segment in Table 2 position 90.						
Must Use	QTY02	380	Quantity	M	R	1/15		
			Numeric value of quantity					
	QTY03	355	Unit or Basis for Measurement Code	O	ID	2/2		
			Code specifying the units in which a value is being expresin which a measurement has been taken	ssed	, or ma	anner		
			Refer to code list provided in the QTY segment in Table	2 p	osition	90.		

Segment: SI Service Characteristic Identification

Position: 520
Loop: QTY
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

1 SI01 defines the source for each of the service characteristics qualifiers.

Notes:

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "8".

2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

	Ref.	Data				
	Des.	Element	<u>Name</u>	<u>Att</u>	<u>ribute</u>	<u>es</u>
Must Use	SI01	559	Agency Qualifier Code	\mathbf{M}	ID	2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
Must Use	SI02	1000	Service Characteristics Qualifier	M	ID	2/2
			Code from an industry code list qualifying the type of secharacteristics	rvice	;	
Must Use SI03 234		234	Product/Service ID	M	AN	1/40
			Identifying number for a product or service			
	SI04	1000	Service Characteristics Qualifier	X	ID	2/2
			Code from an industry code list qualifying the type of secharacteristics	rvice	;	
	SI05	234	Product/Service ID	X	AN	1/40
			Identifying number for a product or service			
SI06 1000		1000	Service Characteristics Qualifier	X	ID	2/2
			Code from an industry code list qualifying the type of secharacteristics	rvice	;	
	SI07	234	Product/Service ID	X	$\mathbf{A}\mathbf{N}$	1/40

		Identifying number for a product or service			
SI08	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI09	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI10	1000	Service Characteristics Qualifier	\mathbf{X}	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	2	
SI11	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI12	1000	Service Characteristics Qualifier	\mathbf{X}	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	2	
SI13	234	Product/Service ID	\mathbf{X}	AN	1/40
		Identifying number for a product or service			
SI14	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI15	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI16	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI17	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI18	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI19	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI20	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI21	234	Product/Service ID	X	$\mathbf{A}\mathbf{N}$	1/40
		Identifying number for a product or service			

NM1 Individual or Organizational Name **Segment:**

Position: 530 NM1 Loop: Level: Detail **Usage:** Optional

Max Use:

Purpose: To supply the full name of an individual or organizational entity **Syntax Notes:** If either NM108 or NM109 is present, then the other is required.

Semantic Notes: 1 NM102 qualifies NM103.

Comments:

Notes: When submitting the 811 to any federal agency, use of this segment is optional

when HL03 is "8".

		Data Elem	ent Summary		
Ref.	Data				
Des.	<u>Element</u>			<u>Attribu</u>	
Must Use NM101	98	Entity Identifier		M ID	2/2
		Code identifying a individual	an organizational entity, a physical loca	ation, or a	n
		AG	Agent/Agency		
		AK	Party to Whom Acknowledgment Sh	ould Be S	Sent
		AO	Account Of		
		BS	Bill and Ship To		
		C3	Circuit Location Identifier		
			Identifies the address information as assigned to a circuit location address		h is
		CA	Carrier		
		CT	Country of Origin		
		EN	End User		
		GP	Gateway Provider		
			Identifies a gateway access provider	•	
		IA	Installed At		
		P9	Primary Interexchange Carrier (PIC))	
			Identifies the carrier who will handle interexchange calls	e the	
		PE	Payee		
		PM	Party to receive paper Memo of Invo	oice	
		PR	Payer		
		RI	Remit To		
		RL	Reporting Location		
		SE	Selling Party		
		SJ	Service Provider		

Identifies name and address information as

pertaining to a service provider for which billing is being rendered

Must Use	NM102	1065	Entity Type Q	ualifier	M	ID	1/1		
			Code qualifying	g the type of entity					
			Only use code	"2" in federal government invoices.					
			1	Person					
			2	Non-Person Entity					
	NM103	1035	Name Last or	Organization Name	O	AN	1/35		
			Individual last	name or organizational name					
	NM104	1036	Name First		O	AN	1/25		
			Individual first	name					
	NM105	1037	Name Middle		O	AN	1/25		
			Individual mide	dle name or initial					
	NM106	1038	Name Prefix		O	AN	1/10		
			Prefix to indivi	dual name					
	NM107	1039	Name Suffix		O	AN	1/10		
			Suffix to indivi	idual name					
	NM108	66	Identification	Code Qualifier	X	ID	1/2		
				ode designating the system/method of code structure used for lentification Code (67)					
			1	D-U-N-S Number, Dun & Bradstre	et				
			9	D-U-N-S+4, D-U-N-S Number wit Suffix	h Fou	r Char	acter		
			40	Electronic Mail User Code					
				Identifies the Electronic Mail User and maintained between trading pa	=				
			41	Telecommunications Carrier Identi	ficatio	on Cod	le		
				Identifies the Interexchange carrier being billed	for th	ne cha	rges		
			42	Telecommunications Pseudo Carrie Code	r Ider	ntificat	ion		
				A code similar to the standard Carr Code which is used to identify the service providers					
			91	Assigned by Seller or Seller's Agen	t				
			92	Assigned by Buyer or Buyer's Age	nt				
			ZY	Temporary Identification Number					
				A temporary ID to be used until a processed	erma	nent II) is		
	NM109	67	Identification	Code	X	AN	2/20		
			Code identifyir	ng a party or other code					

Segment: N2 Additional Name Information

Position: 540
Loop: NM1
Level: Detail
Usage: Optional

Max Use: 2

Purpose: To specify additional names or those longer than 35 characters in length

Syntax Notes: Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of this segment is optional

when HL03 is "8".

	Ref.	Data				
	Des.	Element	<u>Name</u>	<u>Att</u>	Attributes	
Must Use	N201	93	Name	\mathbf{M}	$\mathbf{A}\mathbf{N}$	1/35
			Free-form name			
	N202	93	Name	O	AN	1/35
			Free-form name			

Segment: N3 Address Information

Position: 550
Loop: NM1
Level: Detail
Usage: Optional

Max Use: 2

Purpose: To specify the location of the named party

Syntax Notes: Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of this segment is optional

when HL03 is "8".

	Ref.	Data				
	Des.	Element	<u>Name</u>	At	<u>tribute</u>	<u>es</u>
Must Use	N301	166	Address Information	M	AN	1/35
			Address information			
	N302	166	Address Information	0	AN	1/35
			Address information			

Segment: N4 Geographic Location

Position: 560
Loop: NM1
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named partySyntax Notes: 1 If N406 is present, then N405 is required.

Semantic Notes:

Comments:

A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

2 N402 is required only if city name (N401) is in the USA or Canada.

Notes: When submitting the 811 to any federal agency, use of this segment is optional

when HL03 is "8".

Ref.	Data					
Des.	Element	<u>Name</u>		Att	<u>tribut</u>	<u>es</u>
N401	19	City Name		O	$\mathbf{A}\mathbf{N}$	2/30
		Free-form tex	t for city name			
N402	156	State or Prov	ince Code	O	ID	2/2
		Code (Standar agency	rd State/Province) as defined by appropria	ate go	vernm	ent
N403	116	Postal Code		O	ID	3/11
		_	g international postal zone code excluding de for United States)	punc	tuatior	and
N404	26	Country Cod	e	O	ID	2/3
		Code identify	ing the country			
N405	309	Location Qua	alifier	\mathbf{X}	ID	1/2
		Code identify	ing type of location			
		AC	City and State			
		CC	Country			
		CI	City			
		SP	State/Province			
N406	310	Location Idea	ntifier	O	AN	1/30
		Code which ic	dentifies a specific location			

Segment: **REF** Reference Numbers

Position: 570
Loop: NM1
Level: Detail
Usage: Optional

Max Use: 8

Purpose: To specify identifying numbers.

Syntax Notes: 1 At least one of REF02 or REF03 is required.

Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of this segment is optional

when HL03 is "8".

Must Use	Ref. <u>Des.</u> REF01	Data <u>Element</u> 128	Name Reference Number Qualifier Code qualifying the Reference Number.	Att M	<u>ribute</u> ID	<u>s</u> 2/2		
			Refer to code list provided in the REF segment in Table 2 position 5					
	REF02	127	Reference Number	X	AN	1/30		
			Reference number or identification number as defined for a part Transaction Set, or as specified by the Reference Number Quali					
	REF03	352	Description	X	AN	1/80		
			A free-form description to clarify the related data elements and the content					

Segment: PER Administrative Communications Contact

Position: 580
Loop: NM1
Level: Detail
Usage: Optional

Max Use: 3

Purpose: To identify a person or office to whom administrative communications should be

lirected

Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.

If either PER05 or PER06 is present, then the other is required.
 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of this segment is optional

when HL03 is ''8''.

Data Element Summary

			Data Elem	ent Summary			
	Ref.	Data					
	Des.	<u>Element</u>	<u>Name</u>		Att	ribute	<u>es</u>
Must Use	PER01	366	Contact Function	Code	\mathbf{M}	ID	2/2
			Code identifying the named	he major duty or responsibility of the	perso	on or g	roup
			AD	Accounting Department			
			BD	Buyer Name or Department			
			BI	Bill Inquiry Contact			
				Service Provider contact for making information on the invoice	g inqu	iires al	bout
			CC	Computer Systems Contact			
			DA	Directory Advertising Contact			
				Service Provider contact for questic changes to, directory advertising	ns at	out, a	nd
			IC	Information Contact			
			MA	Maintenance Contact			
				Service Provider contact for reques maintainance, or reporting problem	_	ervice	
			OC	Order Contact			
			OD	Order Department			
			PM	Product Manager			
			QA	Quality Assurance Contact			
			SR	Sales Representative or Department			
			TR	Technical Marketing Representative	•		
	PER02	93	Name		O	AN	1/35

Free-form name

	PER03	365	Communicati	on Number Qualifier	X	ID	2/2
			Code identifyi	ng the type of communication number			
			AU	Defense Switched Network			
				Department of Defense telecommus and successor of the Automatic Vo. (AUTOVON)		-	
				This code is to be used only within government.	thej	federa	l
			EM	Electronic Mail			
			FX	Facsimile			
			TE	Telephone			
	PER04	364	Communicati	on Number	X	AN	1/80
			Complete com applicable	munications number including country of	r area	code	when
	PER05	365	Communicati	on Number Qualifier	X	ID	2/2
			Code identifyi	Code identifying the type of communication number			
			AU	Defense Switched Network			
				Department of Defense telecommunand successor of the Automatic Voc (AUTOVON)		•	
				This code is to be used only within government.	the j	federa	l
			EM	Electronic Mail			
			FX	Facsimile			
			TE	Telephone			
	PER06	364	Communicati	on Number	X	AN	1/80
			Complete com applicable	munications number including country of	r area	code	when
	PER07	365	Communicati	on Number Qualifier	X	ID	2/2
			Code identifyi	ng the type of communication number			
			See codes in F	PER05.			
	PER08	364	Communicati	on Number	X	AN	1/80
			Complete com applicable	munications number including country of	r area	code	when
Not Used	PER09	443	Contact Inqui	iry Reference	0	AN	1/20
			Additional refe	erence number or description to clarify a	conta	ct nun	nber

Segment: TCD Itemized Call Detail

Position: 590
Loop: TCD
Level: Detail
Usage: Optional

Max Use: 1

Daf

Data

Purpose: To specify detail information for itemized calls

Syntax Notes: 1 If either TCD04 or TCD05 is present, then the other is required.

2 If either TCD07 or TCD08 is present, then the other is required.

Semantic Notes: 1 TCD12 is an undiscounted amount.

2 TCD13 is a net amount after the discount has been applied to the amount in TCD12.

3 TCD14 is an undiscounted amount.

4 TCD15 is a net amount after the discount has been applied to the amount in TCD14.

5 TCD16 is a code indicating the relationship of the price or amount to the associated segment.

Comments: 1 TCD01 is the detail information.

2 TCD02 is the date of the call.

3 TCD03 is the connect time of the call.

4 TCD04, TCD05, and TCD06 are the 'to' location of the call.

5 TCD07, TCD08, and TCD09 are the 'from' location of the call.

6 TCD10 and TCD11 are the total duration of the call. TCD10 is the time measured in minutes or minutes and tenths of minutes. TCD11 is time measured in seconds or seconds and tenths of seconds.

Notes: 1. The TCD loop may only appear at the line detail level.

2. When submitting the 811 to any federal agency, use of a minimum of the TCD loop or USD loop or both is required when HL03 is "9".

Ref.	Data							
Des.	Element	<u>Name</u>	<u>Att</u>	<u>ribute</u>	<u>:S</u>			
TCD01	350	Assigned Identification	O	AN	1/11			
		Alphanumeric characters assigned for differentiation wit set	hin a	trans	action			
TCD02	373	Date	O	DT	6/6			
		Date (YYMMDD)						
TCD03	337	Time	O	TM	4/8			
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)						
		Connect time of call.						
TCD04	309	Location Qualifier	X	ID	1/2			

Code identifying type of location

Code identifying the type of "TO" location provided in TCD05 and TCD06.

A value of "ZZ" indicates any point of origination/termination or service for a call that cannot be qualified by traditional geographic qualifiers (i.e., City or Country).

The point of origination/termination or service that this code qualifies could be the name of an aircraft, vessel, vehicle, or service where a call originated/terminated or the service was provided.

5	210	Location Ide	ntifica
		ZZ	Mutually Defined
		SP	State/Province
		CI	City
		CC	Country
		AC	City and State

TCD05 310 Location Identifier X AN 1/30

Code which identifies a specific location

TCD06 156 State or Province Code O ID 2/2

Code (Standard State/Province) as defined by appropriate government agency

TCD07 309 Location Qualifier X ID 1/2

Code identifying type of location

Code identifying the type of "FROM" location provided in TCD08 and TCD09.

A value of "ZZ" indicates any point of origination/termination or service for a call that cannot be qualified by traditional geographic qualifiers (i.e., City or Country).

The point of origination/termination or service that this code qualifies could be the name of an aircraft, vessel, vehicle, or service where a call originated/terminated or the service was provided.

AC	City and State
CC	Country
CI	City
SP	State/Province
ZZ	Mutually Defined

TCD08 310 Location Identifier X AN 1/30

Code which identifies a specific location

TCD09 156 State or Province Code O ID 2/2

Code (Standard State/Province) as defined by appropriate government agency

TCD10	739	Measurement Va	llue	O	R	1/20	
		The value of the n	neasurement				
		Duration of call 1	neasured in minutes and tenths of m	inute	s.		
TCD11	739	Measurement Va	llue	O	R	1/20	
		The value of the n	neasurement				
		Duration of call i	neasured in seconds and tenths of se	cond	s.		
TCD12	782	Monetary Amou	nt	O	R	1/15	
		Monetary amount					
		Undiscounted am	ount.				
TCD13	782	Monetary Amou	nt	O	R	1/15	
		Monetary amount					
		Net amount after	a discount has been applied to the an	noun	t in T	CD12.	
TCD14	782	Monetary Amou	nt	O	R	1/15	
		Monetary amount					
		Undiscounted am	ount.				
TCD15	782	Monetary Amou	nt	O	R	1/15	
		Monetary amount					
		Net amount after	a discount has been applied to the a	noun	t in T	CD14.	
TCD16	662	Relationship Cod	le	0	ID	1/1	
		Code indicating th	ne relationship between entities				
		A	Add				
		D	Delete				
		I	Included				
		O	Information Only				
		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)					

Segment: SI Service Characteristic Identification

Position: 600
Loop: TCD
Level: Detail
Usage: Optional

Max Use: 2

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- **6** If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- **8** If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

1 SI01 defines the source for each of the service characteristics qualifiers.

Notes:

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "9".

2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

	Ref.	Data				
	Des.	Element	<u>Name</u>	Att	<u>ribute</u>	<u>es</u>
Must Use	SI01	559	Agency Qualifier Code	\mathbf{M}	ID	2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
Must Use	SI02	1000	Service Characteristics Qualifier	M	ID	2/2
			Code from an industry code list qualifying the type of secharacteristics	ervice	;	
Must Use	SI03	234	Product/Service ID	\mathbf{M}	AN	1/40
			Identifying number for a product or service			
	SI04	1000	Service Characteristics Qualifier	X	ID	2/2
			Code from an industry code list qualifying the type of secharacteristics	ervice	;	
	SI05	234	Product/Service ID	X	AN	1/40
			Identifying number for a product or service			
	SI06	1000	Service Characteristics Qualifier	X	ID	2/2
			Code from an industry code list qualifying the type of secharacteristics	ervice	;	
	SI07	234	Product/Service ID	X	AN	1/40

		Identifying number for a product or service			
SI08	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI09	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI10	1000	Service Characteristics Qualifier	\mathbf{X}	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	2	
SI11	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI12	1000	Service Characteristics Qualifier	\mathbf{X}	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	2	
SI13	234	Product/Service ID	\mathbf{X}	AN	1/40
		Identifying number for a product or service			
SI14	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI15	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI16	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI17	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI18	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI19	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI20	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI21	234	Product/Service ID	X	$\mathbf{A}\mathbf{N}$	1/40
		Identifying number for a product or service			

Segment: TXI Tax Information

Position: 610
Loop: TCD
Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify tax information

Syntax Notes: 1 At least one of TXI02 TXI03 or TXI06 is required.

2 If either TXI04 or TXI05 is present, then the other is required.

3 If TXI08 is present, then TXI03 is required.

Semantic Notes: 1 TXI07 is a code indicating the relationship of the price or amount to the

associated segment.

Comments: 1 TXI02 is the monetary amount of the tax.

2 TXI03 is the tax percent expressed as a decimal.

3 If TXI02 is not used, then the application of the percent (TXI03) is between

trading partners.

Notes: When submitting the 811 to any federal agency, use of the TXI segment is

optional when HL03 is "9".

Data Element Summary

	Ref.	Data				
	Des.	Element	<u>Name</u>	<u>Att</u>	ribut	<u>es</u>
Must Use	TXI01	963	Tax Type Code	M	ID	2/2
			Code specifying the type of tax			
			Use any code. The listed codes are preferred.			

CA City Tax

FD Federal Tax

FI Federal Income Tax Withholding

FT Federal Excise Tax

FR Franchise Tax
GR Gross Receipts Tax

LS State and Local Sales Tax

MP Municipal Tax
OT Occupation Tax

PS Service Tax

SA State or Provincial Fuel Tax

SC School Tax

SE Excise Tax

TD Handicap Deaf Tax

UL Business Tax

ZE 911 Tax

Refer to 003050 Data Element Dictionary for acceptable code values.

 $\mathbf{X} \quad \mathbf{R}$

1/15

TXI02 782 Monetary Amount

Monetary amount

	TXI03	954	Percent		X	R	1/10
			Percentage expres	ssed as a decimal			
			Tax rate for this	jurisdiction.			
	TXI04	955	Tax Jurisdiction	Code Qualifier	X	ID	2/2
			Code identifying	the source of the data used in tax jurisc	lictio	n code	;
			Refer to 003050 I	Data Element Dictionary for acceptable	e cod	e valu	es.
	TXI05	956	Tax Jurisdiction	Code	X	AN	1/10
			Code identifying the taxing jurisdiction				
	TXI06	441	Tax Exempt Code		X	ID	1/1
			Code identifying exemption status from sales and use ta		X		
			1	Yes (Tax Exempt)			
			2	No (Not Tax Exempt)			
TXI07	TXI07	107 662	Relationship Coo	de	0	ID	1/1
			Code indicating the relationship between entities				
			A	Add			
			D	Delete			
			O	Information Only			
				Charges which relate to but may not or added to the unit price of the SLN WATS calculation based upon usag	۱. (i.e	e., com	
	TXI08	828	Dollar Basis For	Percent	O	R	1/9
			Dollar basis to be or tax	used in the percent calculation of the	allow	ance,	charge
	TXI09	325	Tax Identificatio	on Number	O	AN	1/20
				Number assigned to a purchaser (buyer, orderer) by a tax (state, county, etc.); often called a tax exemption number number			
Not Used	TXI10	350	Assigned Identifi	ication	O	AN	1/11
			Alphanumeric chaset	aracters assigned for differentiation wi	thin a	a trans	action

Segment:

Must Use ITA04

331

04

06

ITA Allowance, Charge or Service

Position: 615 **TCD** Loop: Level: Detail Usage: **Optional** Max Use: >1 **Purpose:** To specify allowances, charges, or services **Syntax Notes:** If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required. 2 If ITA08 is present, then ITA09 is required. 3 If either ITA10 or ITA11 is present, then the other is required. 4 If ITA15 is present, then ITA02 is required. **Semantic Notes:** 1 ITA09 is the allowance or charge percent. ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. 3 ITA12 is the quantity of free goods. **Comments:** 1 If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present. 2 ITA02 identifies the source of the code value in ITA03 or ITA15. 3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence. ITA13 is used to clarify the allowance, charge, or service. 5 ITA15 specifies the individual code list of the agency specified in ITA02. ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment. When submitting the 811 to any federal agency, use of the ITA segment is Notes: optional when HL03 is "9". **Data Element Summary** Ref. Data Des. Element Name **Attributes** Must Use ITA01 **Allowance or Charge Indicator** 248 ID 1/1 Code which indicates an allowance or charge for the service specified Allowance Α C Charge N No Allowance or Charge ITA02 559 ID **Agency Qualifier Code** X 2/2 Code identifying the agency assigning the code values ΤI Telecommunications Industry ITA03 **560 Special Services Code** X ID 2/10 Code identifying the special service

See TCIF Section 10.4 for valid values.

Allowance or Charge Method of Handling Code

Code indicating method of handling for an allowance or charge

Credit Customer Account

Charge to be Paid by Customer

M ID

2/2

			ZZ	Mutually Defined			
	ITA05	341	Allowance or	Charge Number	O	$\mathbf{A}\mathbf{N}$	1/16
			The number as deal or charge	signed by a vendor referencing an allow	wance,	promo	otion,
Not Used	ITA06	359	Allowance or	Charge Rate	O	R	1/9
			Allowance or C	Charge Rate per Unit			
	ITA07	360	Allowance or	Charge Total Amount	O	N2	1/9
			Total dollar am	nount for the allowance or charge			
	ITA08	378	Allowance/ Ch	narge Percent Qualifier	O	ID	1/1
			Code indicating	g on what basis allowance or charge pe	rcent is	calcu	lated
			9	Late Payment Charge Base Amou	nt		
				Amount outstanding after the past subject to a late payment charge	due da	ate, an	d
	ITA09	332	Percent		\mathbf{X}	R	1/6
			Percent expres	sed as a percent			
	ITA10	380	Quantity		\mathbf{X}	R	1/15
			Numeric value	of quantity			
	ITA11	355	Unit or Basis i	for Measurement Code	X	ID	2/2
				ng the units in which a value is being ex Asurement has been taken	pressec	d, or m	nanner
			Refer to code l	list provided in the ITA segment in Ta	ble 2 p	osition	180.
Not Used	ITA12	380	Quantity		o	R	1/15
			Numeric value	of quantity			
	ITA13	352	Description		\mathbf{X}	AN	1/80
			A free-form de content	escription to clarify the related data element	nents a	nd the	ir
	ITA14	150	Special Charg	e or Allowance Code	\mathbf{X}	ID	3/3
			Code identifyii	ng type of special charge or allowance			
			See TCIF Sect	tion 10.4 for valid values.			
Not Used	ITA15	822	Source Subqu	alifier	O	AN	1/15
			A reference that Qualifier	at indicates the table or text maintained	by the	Sourc	e
	ITA16	662	Relationship (Code	O	ID	1/1
			Code indicating	g the relationship between entities			
			A	Add			
			D	Delete			
			I	Included			
			O	Information Only			
				Charges which relate to but may ror added to the unit price of the S. WATS calculation based upon us.	LN. (i.	e., con	npute

Segment: QTY Quantity

Position: 617
Loop: QTY
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify quantity information

Syntax Notes: Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the QTY loop is optional

when HL03 is "9".

	Ref.	Data	·					
	Des.	Element	<u>Name</u>	Att	<u>ribute</u>	<u>s</u>		
Must Use	QTY01	673	Quantity Qualifier	M	ID	2/2		
			Code specifying the type of quantity					
			Refer to code list provided in the QTY segment in Table	e 2 pe	osition	ı 90.		
Must Use	QTY02	380	Quantity	M	R	1/15		
			Numeric value of quantity					
	QTY03	355	Unit or Basis for Measurement Code	o	ID	2/2		
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
			Refer to code list provided in the QTY segment in Table 2 position 90.					

Segment: SI Service Characteristic Identification

Position: 618
Loop: QTY
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

- 2 If either SI06 or SI07 is present, then the other is required.
- ${f 3}$ If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

1 SI01 defines the source for each of the service characteristics qualifiers.

Notes:

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "9".

2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

	Ref.	Data				
	Des.	Element	<u>Name</u>	Att	<u>ribute</u>	<u>es</u>
Must Use	SI01	559	Agency Qualifier Code	\mathbf{M}	ID	2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
Must Use	SI02	1000	Service Characteristics Qualifier	M	ID	2/2
			Code from an industry code list qualifying the type of se characteristics	rvice	;	
Must Use	SI03	234	Product/Service ID	M	AN	1/40
			Identifying number for a product or service			
	SI04	1000	Service Characteristics Qualifier	X	ID	2/2
			Code from an industry code list qualifying the type of se characteristics	rvice	;	
	SI05	234	Product/Service ID	X	$\mathbf{A}\mathbf{N}$	1/40
			Identifying number for a product or service			
	SI06	1000	Service Characteristics Qualifier	X	ID	2/2
			Code from an industry code list qualifying the type of se characteristics	rvice	;	
	SI07	234	Product/Service ID	X	AN	1/40

		Identifying number for a product or service			
SI08	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI09	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI10	1000	Service Characteristics Qualifier	\mathbf{X}	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	2	
SI11	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI12	1000	Service Characteristics Qualifier	\mathbf{X}	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	2	
SI13	234	Product/Service ID	\mathbf{X}	AN	1/40
		Identifying number for a product or service			
SI14	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI15	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI16	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI17	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI18	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI19	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI20	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI21	234	Product/Service ID	X	$\mathbf{A}\mathbf{N}$	1/40
		Identifying number for a product or service			

USD Usage-Sensitive Detail **Segment: Position:** 620 **USD** Loop: Level: Detail Usage: **Optional** Max Use: **Purpose:** To specify usage-sensitive details which qualify for discounts or are subject to **Syntax Notes:** 1 Only one of USD03 or USD04 may be present. If USD03 is present, then at least one of USD06 USD07 or USD08 is required. 3 If USD04 is present, then at least one of USD08 or USD09 is required. 4 If either USD05 or USD06 is present, then the other is required. 5 If USD07 is present, then both USD05 and USD06 are required. 6 If USD10 is present, then at least one of USD11 or USD12 is required. 7 If USD11 is present, then USD10 is required. 8 If USD12 is present, then USD10 is required. **Semantic Notes:** USD01 is a code indicating the relationship of the price or amount to the associated segment. 2 USD03 is the allowance or charge rate per unit. 3 USD04 is the discount percentage. 4 USD06 is the quantity of usage. 5 USD07 is a quantity of usage different than the quantity in USD06. When USD07 is present, it is used in conjuction with USD06, and then the rate USD03 is applied. USD09 is the total amount of terms discount. **Comments:** 1 If both USD03 and USD08 are present, USD08 takes precedence. If USD11 is present and USD12 is not present, then the range is open ended. If USD12 is present and USD11 is not present, then the minimum is zero. 1. The USD loop may only appear at the line detail level. **Notes:** 2. When submitting the 811 to any federal agency, use of a minimum of the USD loop or TCD loop or both is required when HL03 is "9". **Data Element Summary** Ref. Data **Element Name Attributes** Des. Must Use USD01 662 **Relationship Code** M ID 1/1 Code indicating the relationship between entities Add Α D Delete I Included O Information Only Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts) USD02 350 **Assigned Identification** AN 1/11

Alphanumeric characters assigned for differentiation within a transaction USD03 118 X 1/9 Rate R Rate expressed in the standard monetary denomination for the currency specified If both USD03 and USD08 are present, then USD08 takes precedence. USD04 954 **Percent** \mathbf{X} R 1/10 Percentage expressed as a decimal Discount Percentage. 2/2 **USD05** 355 **Unit or Basis for Measurement Code** X ID Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken 03 Seconds 12 Packet 1X Quarter Mile AD Bytes Number of bytes of data transmitted AH **Additional Minutes** The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service AL Access Lines Number of lines subject to Carrier Access Line Charges C0Calls Number of calls handled DA Days DC Disk (Disc) DH Miles DK Kilometers DQ Data Records Number of Data Records handled DY **Directory Books** Number of directory books delivered to customer EA Each EB Electronic Mail Boxes Number of Electronic Mail Boxes established for an account EV Envelope G7 Microfiche Sheet A film that contains photographed documents greatly reduced in size

H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.
S 6	Sessions
	Number of interactive sessions handled
S7	Storage Units
	Number of storage increments used
SG	Segment

		T0	Telecommunications Lines in Serv	ice						
			Snapshot sample of lines in service	e						
		UB	Telecommunications Lines in Serv	ice - A	verag	e				
			Average number of lines in service specific to equaccess requirements							
		UC	Telecommunications Ports							
			Number of network access ports							
		UD	Tenth Minutes							
			Number of 6 second increments of	usage						
		UE	Tenth Hours							
			Number of 6 minute increments of	usage	;					
		UF	Usage per Telecommunications Lin	ne - A	verage	;				
		UN	Unit							
		ZZ	Mutually Defined							
USD06	380	Quantity		X	R	1/15				
		Numeric value	of quantity							
USD07	380	Quantity		X	R	1/15				
		Numeric value	of quantity							
USD08	782	Monetary Am	Monetary Amount							
		Monetary amo	unt							
USD09	610	Amount		\mathbf{X}	N2	1/15				
		Monetary amo	unt							
USD10	355	Unit or Basis	for Measurement Code	\mathbf{X}	ID	2/2				
			ng the units in which a value is being expasurement has been taken	oresseo	d, or m	nanner				
		See USD05 for	r code list.							
USD11	740	Range Minim	um	\mathbf{X}	R	1/20				
		The value spec	rifying the minimum of the measuremen	t range	e					
		If USD11 is pr -ended.	resent and USD12 is not present, then t	the rai	nge is	open				
USD12	741	Range Maxim	um	\mathbf{X}	R	1/20				
		The value spec	rifying the maximum of the measuremen	t rang	e					
		If USD12 is pr	resent and USD11 is not present, the m	inimu	m is z	ero.				

Segment:	SI	Service Characteristic Identification

Position: 625
Loop: USD
Level: Detail
Usage: Optional

Max Use: 2

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- **8** If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

1 SI01 defines the source for each of the service characteristics qualifiers.

Notes:

When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "9".

Must UseDes. S101Element S559Agency Qualifier CodeMID2/Code identifying the agency assigning the code valuesRefer to 003050 Data Element Dictionary for acceptable code valuesMust UseS1021000Service Characteristics QualifierMID2/	
Code identifying the agency assigning the code values Refer to 003050 Data Element Dictionary for acceptable code values. Must Use SI02 1000 Service Characteristics Qualifier M ID 2/	
Refer to 003050 Data Element Dictionary for acceptable code values. Must Use SI02 1000 Service Characteristics Qualifier M ID 2/	
Must Use SI02 1000 Service Characteristics Qualifier M ID 2/	
	2
Code from an industry code list qualifying the type of service characteristics	
Must Use SI03 234 Product/Service ID M AN 1/	40
Identifying number for a product or service	
SI04 1000 Service Characteristics Qualifier X ID 2/	2
Code from an industry code list qualifying the type of service characteristics	
SI05 234 Product/Service ID X AN 1/	40
Identifying number for a product or service	
SI06 1000 Service Characteristics Qualifier X ID 2/	2
Code from an industry code list qualifying the type of service characteristics	
SI07 234 Product/Service ID X AN 1/	40
Identifying number for a product or service	
SI08 1000 Service Characteristics Qualifier X ID 2/	2
Code from an industry code list qualifying the type of service	

characteristics **SI09** Product/Service ID 234 X AN1/40 Identifying number for a product or service **SI10** 1000 **Service Characteristics Qualifier** ID 2/2 Code from an industry code list qualifying the type of service characteristics **SI11** 234 Product/Service ID X AN1/40 Identifying number for a product or service **SI12** 1000 **Service Characteristics Qualifier** ID 2/2 Code from an industry code list qualifying the type of service characteristics **SI13** 234 **Product/Service ID** 1/40 \mathbf{X} ANIdentifying number for a product or service **SI14** 1000 ID 2/2 **Service Characteristics Qualifier** X Code from an industry code list qualifying the type of service characteristics **SI15 Product/Service ID** 234 \mathbf{X} AN1/40 Identifying number for a product or service **SI16** 1000 ID 2/2 **Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics **SI17** 234 Product/Service ID X AN 1/40 Identifying number for a product or service **SI18** 1000 **Service Characteristics Qualifier** ID 2/2 Code from an industry code list qualifying the type of service characteristics **Product/Service ID SI19** 234 X AN1/40 Identifying number for a product or service **SI20** 1000 **Service Characteristics Qualifier** X ID 2/2 Code from an industry code list qualifying the type of service characteristics **SI21** 234 **Product/Service ID** \mathbf{X} AN1/40 Identifying number for a product or service

Must Use ITA04

331

04

06

Segment: Position: Loop: Level: Usage: Max Use: Purpose: Syntax Notes: Semantic Notes: Comments:	630 USD Detail Optional 2 To speci 1 If IT 2 If IT 3 If ei 4 If IT 1 ITA 2 ITA from 3 ITA 1 If IT 2 ITA 5 ITA 6 ITA	Detail Optional 2 To specify allowances, charges, or services 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required. 2 If ITA08 is present, then ITA09 is required. 3 If either ITA10 or ITA11 is present, then the other is required. 4 If ITA15 is present, then ITA02 is required. 1 ITA09 is the allowance or charge percent. 2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. 3 ITA12 is the quantity of free goods. 1 If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present. 2 ITA02 identifies the source of the code value in ITA03 or ITA15. 3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence. 4 ITA13 is used to clarify the allowance, charge, or service. 5 ITA15 specifies the individual code list of the agency specified in ITA02.					
Notes:		ibmitting th when HL0	ne 811 to any federal agency, use of the IT is ''9''.	'A segn	nent is		
Ref. <u>Des.</u> Must Use ITA01	Data Element 248	Name Allowance	ta Element Summary e or Charge Indicator ch indicates an allowance or charge for the Allowance Charge	M	tribute ID specif	1/1	
ITA02	559 560	N Agency Q Code ident TI Special Se	Charge No Allowance or Charge rualifier Code tifying the agency assigning the code value Telecommunications Industry ervices Code tifying the special service	x s	ID	2/2 2/10	

See TCIF Section 10.4 for valid values.

Allowance or Charge Method of Handling Code

Code indicating method of handling for an allowance or charge

Credit Customer Account

Charge to be Paid by Customer

M ID

2/2

			ZZ	Mutually Defined			
	ITA05	341	Allowance or C	harge Number	O	$\mathbf{A}\mathbf{N}$	1/16
			The number assi deal or charge	gned by a vendor referencing an allow	ance,	promo	otion,
Not Used	ITA06	359	Allowance or C	harge Rate	O	R	1/9
			Allowance or Ch	narge Rate per Unit			
	ITA07	360	Allowance or C	harge Total Amount	O	N2	1/9
			Total dollar amo	ount for the allowance or charge			
	ITA08	378	Allowance/ Cha	rge Percent Qualifier	O	ID	1/1
			Code indicating	on what basis allowance or charge per	cent is	calcu	lated
			9	Late Payment Charge Base Amour	nt		
				Amount outstanding after the past subject to a late payment charge	due da	ate, an	d
	ITA09	332	Percent		X	R	1/6
			Percent expresse	ed as a percent			
	ITA10	380	Quantity		X	R	1/15
			Numeric value o	f quantity			
	ITA11	355	Unit or Basis fo	r Measurement Code	X	ID	2/2
				the units in which a value is being expurement has been taken	pressec	d, or m	nanner
			Refer to code lis	t provided in the ITA segment in Tab	ole 2 P	ositio	n 180.
Not Used	ITA12	380	Quantity		O	R	1/15
			Numeric value o	f quantity			
	ITA13	352	Description		X	AN	1/80
			A free-form descontent	cription to clarify the related data elem	ents a	nd the	ir
	ITA14	150	Special Charge	or Allowance Code	O	ID	3/3
			Code identifying	g type of special charge or allowance			
			See TCIF Section	on 10.4 for valid values.			
Not Used	ITA15	822	Source Subqual	lifier	O	$\mathbf{A}\mathbf{N}$	1/15
			A reference that Qualifier	indicates the table or text maintained	by the	Sourc	e
	ITA16	662	Relationship Co	ode	O	ID	1/1
			Code indicating	the relationship between entities			
			A	Add			
			D	Delete			
			I	Included			
			O	Information Only			
				Charges which relate to but may n or added to the unit price of the SI WATS calculation based upon usa	LN. (i.e	e., con	npute

Segment: TRF Rating Factors

Position: 640
Loop: USD
Level: Detail
Usage: Optional
Max Use: 18

Purpose: To specify rating information used to calculate usage-sensitive charges

Syntax Notes: Semantic Notes:

Comments: 1 TRF01 defines the rating basis (e.g., acknowledged calls, minimum period,

etc.) for the segment.

2 TRF02 and TRF03 define equivalent units per standard unit.

3 TRF04 and TRF05 define the standard unit.

Notes: When submitting the 811 to any federal agency, use of the TRF segment is

optional when HL03 is "9".

01

Data Element Summary

Ref.	Data		
Des.	Element	<u>Name</u>	<u>Attributes</u>
Must Use TRF01	673	Quantity Qualifier	M ID 2/2

Code specifying the type of quantity

Code specifying the rating basis (e.g., acknowledged calls, minimum period, etc.) for the segment.

Discrete Quantity

01	Discrete Quantity
02	Cumulative Quantity
27	Committed Quantity
38	Original Quantity
47	Primary Net Quantity
90	Acknowledged Quantity
	Network Recognition for message receipt
91	Additional Usage Quantity
	The amount of usage incurred above the alloted or allowable use for a service
92	Allotted Usage Quantity
	The amount of allowable usage related to a service
93	Attendant-Handled Quantity
	Manual Recognition for message receipt
94	Billable Quantity
	Number of billable units used
95	Data Storage Quantity
	Number of storage units used
96	Non-Billable Quantity
	Number of non-billable units

97	Non-Urgent Delivery Quantity					
	Number of units delivered in non-urgent status					
98	Overflow Quantity					
	Number of overflow messages, (Busy condition count for 800 service)					
99	Quantity Used					
	Quantity of units used					
AA	Unacknowledged Quantity					
	Message received without network, or attendant recognition					
AB	Urgent Delivery Quantity					
	Number of units delivered in urgent status					
AC	Voice Storage Quantity					
	Number of voice storage units used					
AD	Maintenance Units					
	Number of units of maintenance provided					
AE	Minimum Average Time Requirement (MATR) Units					
	Number of units calculated at a minimum usage rating basis, such as X minutes per message					
AF	Wide Area Telephone Service (WATS)/800 Service Units					
	Number of units of usage, for WATS or 800 service					
AG	Number of End Users					
	Number of participating users					
AH	Number of Message Recipients					
	Number of recipients					
AI	Number of Operator Credits					
	Number of operator credits given					
AJ	Daily Adjustments					
NS	Number of Stations					
	Number of stations, or terminating points, which are in use, deleted, added, etc. for service delivery; ports or lines on a computer, for example					
Unit or Basis	s for Measurement Code M ID 2/2					
Code specify	ing the units in which a value is being expressed or manner					

Must Use TRF02

355

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Equivalent units per standard unit.

03	Seconds
12	Packet
1X	Quarter Mile
AD	Bytes

Number of bytes of data transmitted

AH	Additional Minutes
	The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service
AL	Access Lines
AL	Number of lines subject to Carrier Access Line Charges
C0	Calls
	Number of calls handled
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records
	Number of Data Records handled
DY	Directory Books
	Number of directory books delivered to customer
EA	Each
EB	Electronic Mail Boxes
	Number of Electronic Mail Boxes established for an account
EV	Envelope
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages

umeric value of	quantity
uantity	M R 1/15
ZZ	Mutually Defined
UN	Unit
UF	Usage per Telecommunications Line - Average
	Number of 6 minute increments of usage
UE	Tenth Hours
	Number of 6 second increments of usage
UD	Tenth Minutes
	Number of network access ports
UC	Telecommunications Ports
	access requirements
	Average number of lines in service specific to equal
UB	Telecommunications Lines in Service - Average
	Snapshot sample of lines in service
T0	Telecommunications Lines in Service
SG	Segment
	Number of storage increments used
S7	Storage Units
	Number of interactive sessions handled
S6	Sessions
	Number of times a transmission is reset due to line drop, interrupt, etc.
RS	Resets
	Number of 15 minute increments of usage handled
QH	Quarter Hours
	Number of printed pages delivered
QB	Pages - Hardcopy
	Number of FAX pages transmitted
QA	Pages - Facsimile
P1	Percent
	Number of electronic pages of data delivered
P0	Pages - Electronic
OT	Overtime Hours
	Number of data screens handled, or transmitted
NJ	Number of Screens
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NH	Message Hours
	Number of Messages transmitted, or delivered

Must Use TRF03 380 Qu

Nu

Standard unit.

Must Use	TRF04	355	Unit or Basis for Measurement Code	\mathbf{M}	ID	2/2		
			Code specifying the units in which a value is being expressed, or manne in which a measurement has been taken					
			Equivalent units per standard unit.					
			See TRF02 for code list.					
Must Use	TRF05	380	Quantity	M	R	1/15		
			Numeric value of quantity					
			Standard unit.					

Segment: QTY Quantity

Position: 650
Loop: QTY
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify quantity information

Syntax Notes: Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the QTY loop is optional

when HL03 is "9".

	Ref.	Data					
	Des.	Element	<u>Name</u>	Att	<u>ribute</u>	<u>es</u>	
Must Use	QTY01	673	Quantity Qualifier	M	ID	2/2	
			Code specifying the type of quantity				
			Refer to code list provided in the QTY segment in Table	e 2 p	ositio	n 90.	
Must Use	QTY02	380	Quantity	M	R	1/15	
			Numeric value of quantity				
	QTY03	355	Unit or Basis for Measurement Code	0	ID	2/2	
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
			Refer to code list provided in the QTY segment in Table 2 position 90.				

Segment:	SI	Service Characteristic Identification
Segment:		Service Characteristic Identification

Position: 660
Loop: QTY
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- **6** If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- **8** If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

1 SI01 defines the source for each of the service characteristics qualifiers.

Notes:

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "9".

2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

	Ref.	Data				
	Des.	Element	<u>Name</u>	<u>Att</u>	ribute	<u>es</u>
Must Use	SI01	559	Agency Qualifier Code	\mathbf{M}	ID	2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
Must Use	SI02	1000	Service Characteristics Qualifier	M	ID	2/2
			Code from an industry code list qualifying the type of secharacteristics	rvice)	
Must Use	SI03	234	Product/Service ID	M	AN	1/40
			Identifying number for a product or service			
	SI04	1000	Service Characteristics Qualifier	X	ID	2/2
			Code from an industry code list qualifying the type of secharacteristics	rvice	•	
	SI05	234	Product/Service ID	X	AN	1/40
			Identifying number for a product or service			
	SI06	1000	Service Characteristics Qualifier	\mathbf{X}	ID	2/2
			Code from an industry code list qualifying the type of secharacteristics	rvice	•	
	SI07	234	Product/Service ID	X	AN	1/40

		Identifying number for a product or service			
SI08	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI09	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI10	1000	Service Characteristics Qualifier	\mathbf{X}	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	2	
SI11	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI12	1000	Service Characteristics Qualifier	\mathbf{X}	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	2	
SI13	234	Product/Service ID	\mathbf{X}	AN	1/40
		Identifying number for a product or service			
SI14	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI15	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI16	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI17	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI18	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI19	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
SI20	1000	Service Characteristics Qualifier	X	ID	2/2
		Code from an industry code list qualifying the type of secharacteristics	ervice	e	
SI21	234	Product/Service ID	X	$\mathbf{A}\mathbf{N}$	1/40
		Identifying number for a product or service			

 $Segment: \quad TDS \ \, \text{Total Monetary Value Summary}$

Position: 010

Loop:

Level: Summary Usage: Mandatory

Max Use: 1

Purpose: To specify the total invoice discounts and amounts

Syntax Notes:

Semantic Notes: 1

- 1 TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
- 2 TDS02 indicates the amount upon which the terms discount amount is calculated.
- 3 TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
- 4 TDS04 indicates the total amount of terms discount.

Comments:

1 TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

	Ref.	Data				
	Des.	Element	<u>Name</u>	Att	<u>ribute</u>	<u>es</u>
Must Use	TDS01	610	Amount	M	N2	1/15
			Monetary amount			
			The TDS segment (TDS01) contains the segment billed from the detail for the invoice. It does not contain any found in the summary level.			
Not Used	TDS02	610	Amount	0	N2	1/15
			Monetary amount			
Not Used	TDS03	610	Amount	O	N2	1/15
			Monetary amount			
Not Used	TDS04	610	Amount	0	N2	1/15
			Monetary amount			

ITA Allowance, Charge or Service **Segment: Position:** 020 ITA Loop: Level: Summary Optional Usage: Max Use: **Purpose:** To specify allowances, charges, or services **Syntax Notes:** If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required. 2 If ITA08 is present, then ITA09 is required. 3 If either ITA10 or ITA11 is present, then the other is required. 4 If ITA15 is present, then ITA02 is required. **Semantic Notes:** 1 ITA09 is the allowance or charge percent. ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. 3 ITA12 is the quantity of free goods. **Comments:** 1 If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present. 2 ITA02 identifies the source of the code value in ITA03 or ITA15. If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence. 3 ITA13 is used to clarify the allowance, charge, or service. 5 ITA15 specifies the individual code list of the agency specified in ITA02. ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

Marat Has	Ref. Des.	Data <u>Element</u>		on Change Indicaton		ribute	
Must Use	IIAUI	248		e or Charge Indicator The indicates an allowance or charge for the ser	M	ID specif	1/1 ied
			A	Allowance	VICC	specii	icu
			C	Charge			
				· ·			
	TT: 4.00		N	No Allowance or Charge	T 7	TD	2 /2
	ITA02	559	Agency Q	ualifier Code	X	ID	2/2
			Code ident	tifying the agency assigning the code values			
			TI	Telecommunications Industry			
	ITA03	560	Special Se	rvices Code	X	ID	2/10
			Code ident	tifying the special service			
			See TCIF	Section 10.4 for valid values.			
Must Use	ITA04	331	Allowance	e or Charge Method of Handling Code	M	ID	2/2
			Code indic	eating method of handling for an allowance or	char	ge	
			03	Vendor Check to Customer			
			04	Credit Customer Account			
			06	Charge to be Paid by Customer			

			ZZ	Mutually Defined			
	ITA05	341	Allowance or C	Charge Number	O	AN	1/16
			The number ass deal or charge	igned by a vendor referencing an allow	vance,	promo	otion,
Not Used	ITA06	359	Allowance or C	Charge Rate	0	R	1/9
			Allowance or C	harge Rate per Unit			
	ITA07	360	Allowance or C	Charge Total Amount	O	N2	1/9
			Total dollar amo	ount for the allowance or charge			
	ITA08	378	Allowance/ Cha	arge Percent Qualifier	0	ID	1/1
			Code indicating	on what basis allowance or charge pe	rcent is	s calcu	lated
			9	Late Payment Charge Base Amou	nt		
				Amount outstanding after the past subject to a late payment charge	due da	ate, an	d
	ITA09	332	Percent		X	R	1/6
			Percent express	ed as a percent			
	ITA10	380	Quantity		X	R	1/15
			Numeric value of	of quantity			
	ITA11	355	Unit or Basis fo	or Measurement Code	X	ID	2/2
				the units in which a value is being exturement has been taken	presseo	d, or m	nanner
			Refer to code li	st provided in the ITA segment in Tal	ble 2 p	osition	ı 180.
Not Used	ITA12	380	Quantity		0	R	1/15
			Numeric value of	of quantity			
	ITA13	352	Description		X	$\mathbf{A}\mathbf{N}$	1/80
			A free-form des content	cription to clarify the related data elen	nents a	nd the	ir
	ITA14	150	Special Charge	or Allowance Code	0	ID	3/3
			Code identifying	g type of special charge or allowance			
			See TCIF Secti	on 10.4 for valid values.			
Not Used	ITA15	822	Source Subqua	lifier	0	$\mathbf{A}\mathbf{N}$	1/15
			A reference that Qualifier	indicates the table or text maintained	by the	Sourc	e
	ITA16	662	Relationship C	ode	O	ID	1/1
			Code indicating	the relationship between entities			
			A	Add			
			D	Delete			
			O	Information Only			
				Charges which relate to but may nor added to the unit price of the SI WATS calculation based upon usa	LN. (i.	e., con	npute

Segment: DTM Date/Time Reference

Position: 030 Loop: ITA Level: Summary

Usage: Optional

Max Use: 1

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.

2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

	D 0	.	Data Eleme	ant Summary			
	Ref.	Data	™ T		.	•1 4	
M4 II	Des.	Element 27.4				<u>ribute</u>	_
Must Use	DIMUI	374	Date/Time Qualifi		M	ID	3/3
				pe of date or time, or both date and tir	ne		
			007	Effective			
			009	Process			
			050	Received			
	DTM02	373	Date		\mathbf{X}	DT	6/6
			Date (YYMMDD)				
Not Used	DTM03	337	Time		X	TM	4/8
			or HHMMSSD, or (00-59), S = intege	24-hour clock time as follows: HHMM HHMMSSDD, where H = hours (00-r seconds (00-59) and DD = decimal sed as follows: D = tenths (0-9) and D	23), l secon	M = m nds; de	ninutes ecimal
Not Used	DTM04	623	Time Code		0	ID	2/2
			Organization stand indication in hours	ne time. In accordance with Internation and 8601, time can be specified by a + in relation to Universal Time Coordined character, + and - are substituted by	or - nate (and and UTC)	n time;
	DTM05	624	Century		O	N0	2/2
			The first two chara	cters in the designation of the year (C	CYY	()	
Not Used	DTM06	1250	Date Time Period	Format Qualifier	X	ID	2/3
			Code indicating the	e date format, time format, or date and	time	e form	at
Not Used	DTM07	1251	Date Time Period		X	AN	1/35
			Expression of a dat	te, a time, or range of dates, times or d	ates	and ti	mes

Segment: BAL Balance Detail

Position: 040
Loop: BAL
Level: Summary
Usage: Optional

Max Use: 1

Purpose: To identify the specific monetary balances associated with a particular account

Syntax Notes: Semantic Notes: Comments:

	Ref.	Data	Data Eleme	ent Summary			
	Des.	Element	<u>Name</u>		<u>Att</u>	ribut	<u>es</u>
Must Use	BAL01	951	Balance Type Cod	le	M	ID	1/2
			Code indicating the	e type of balance			
			A	Adjustment			
			M	Current Month			
			P	Previous Month			
				Balance of previous period charges payments and adjustments for the pubilling	-		
Must Use	BAL02	522	Amount Qualifier	Code	M	ID	1/2
			Code to qualify am	ount			
			5	Total Invoice Amount			
			8	Total Monetary Discount Amount			
			BT	Bank Reject Total			
			C4	Prior Payment - Actual			
				Amount paid in reality at an earilier	time		
			NA	Net Adjustment			
			NS	Net Savings Amount			
				Amount of dollar saving resulting fr service, such as Optional Calling Pl		he use	of
			PB	Billed Amount			
				Total amount due on the period bill			
			SC	Total Service Charge			
			TP	Total payment amount			
			TT	Total Transaction Amount			
Must Use	BAL03	782	Monetary Amoun	t	M	R	1/15
			Monetary amount				

Segment: DTM Date/Time Reference

Position: 050
Loop: BAL
Level: Summary
Usage: Optional

Max Use: 1

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.

2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

	D 0	.	Data Eleme	ant Summary			
	Ref.	Data	™ T		.	•1 4	
M4 II	Des.	Element 27.4				<u>ribute</u>	_
Must Use	DIMUI	374	Date/Time Qualifi		M	ID	3/3
				pe of date or time, or both date and tir	ne		
			007	Effective			
			009	Process			
			050	Received			
	DTM02	373	Date		\mathbf{X}	DT	6/6
			Date (YYMMDD)				
Not Used	DTM03	337	Time		X	TM	4/8
			or HHMMSSD, or (00-59), S = intege	24-hour clock time as follows: HHMM HHMMSSDD, where H = hours (00-r seconds (00-59) and DD = decimal sed as follows: D = tenths (0-9) and D	23), l secon	M = m nds; de	ninutes ecimal
Not Used	DTM04	623	Time Code		0	ID	2/2
			Organization stand indication in hours	ne time. In accordance with Internation and 8601, time can be specified by a + in relation to Universal Time Coordined character, + and - are substituted by	or - nate (and and UTC)	n time;
	DTM05	624	Century		O	N0	2/2
			The first two chara	cters in the designation of the year (C	CYY	()	
Not Used	DTM06	1250	Date Time Period	Format Qualifier	X	ID	2/3
			Code indicating the	e date format, time format, or date and	time	e form	at
Not Used	DTM07	1251	Date Time Period		X	AN	1/35
			Expression of a dat	te, a time, or range of dates, times or d	ates	and ti	mes

Segment: N1 Name

 Position:
 060

 Loop:
 N1

Level: Summary Usage: Optional

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: 1 At least one of N102 or N103 is required.

2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment, used alone, provides the most efficient method of providing

organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

2 N105 and N106 further define the type of entity in N101.

			Data Elem	ent Summary			
	Ref.	Data					
	Des.	Element	<u>Name</u>		Att	tribute	<u>28</u>
Must Use	N101	98	Entity Identifier	Code	\mathbf{M}	ID	2/2
			Code identifying a individual	nn organizational entity, a physical loc	ation	, or an	
			SJ	Service Provider			
				Identifies name and address inform pertaining to a service provider for being rendered			ıg is
	N102	93	Name		\mathbf{X}	AN	1/35
			Free-form name				
	N103	66	Identification Co	de Qualifier	X	ID	1/2
			Code designating the system/method of code structure used for Identification Code (67)				
			41	Telecommunications Carrier Identif	icatio	on Cod	e
				Identifies the Interexchange carrier being billed	for th	ne chai	ges
			42	Telecommunications Pseudo Carrie Code	r Ider	ıtificat	ion
				A code similar to the standard Carr Code which is used to identify the l service providers			
			91	Assigned by Seller or Seller's Agen	t		
	N104	67	Identification Co	de	X	AN	2/20
			Code identifying a	a party or other code			
Not Used	N105	706	Entity Relationsh	nip Code	0	ID	2/2
			Code describing e	ntity relationship			

Not Used N106 98 Entity Identifier Code

O ID 2/2

Code identifying an organizational entity, a physical location, or an individual

Segment: BAL Balance Detail

Position: 070
Loop: BAL
Level: Summary
Usage: Optional

Max Use: 1

Purpose: To identify the specific monetary balances associated with a particular account

Syntax Notes: Semantic Notes: Comments:

	Ref.	Data		·			
	Des.	Element	<u>Name</u>		Att	ribute	<u>es</u>
Must Use	BAL01	951	Balance Type Coo	de	\mathbf{M}	ID	1/2
			Code indicating the	e type of balance			
			A	Adjustment			
			M	Current Month			
			P	Previous Month			
				Balance of previous period charges payments and adjustments for the p billing	-		
Must Use	BAL02	522	Amount Qualifier	· Code	\mathbf{M}	ID	1/2
			Code to qualify an	nount			
			AD	Adjusted Total			
			C4	Prior Payment - Actual			
				Amount paid in reality at an earilier	time		
Must Use	BAL03	782	Monetary Amoun	ıt	\mathbf{M}	R	1/15
			Monetary amount				

Segment: DTM Date/Time Reference

Position: 080
Loop: BAL
Level: Summary
Usage: Optional

Max Use: 1

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.

2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

	Ref.	Data	Dat	a Element Summar y			
	Des.	Element	Name		Att	ribute	25
Must Use		374	Date/Time	Qualifier	M	ID	3/3
				fying type of date or time, or both date and ti	me		
			003	Invoice			
			007	Effective			
			009	Process			
			050	Received			
	DTM02	373	Date		X	DT	6/6
			Date (YYN	MMDD)			
Not Used	DTM03	337	Time	,	X	TM	4/8
			or HHMM (00-59), S	essed in 24-hour clock time as follows: HHM SSD, or HHMMSSDD, where H = hours (00- = integer seconds (00-59) and DD = decimal expressed as follows: D = tenths (0-9) and I	-23), secon	M = m $nds; de$	ninutes ecimal
Not Used	DTM04	623	Time Code	2	O	ID	2/2
			Organization indication is	ifying the time. In accordance with Internation standard 8601, time can be specified by a sin hours in relation to Universal Time Coordin restricted character, + and - are substituted by follow	+ or - nate (and a (UTC)	n time;
	DTM05	624	Century		O	N0	2/2
			The first tv	vo characters in the designation of the year (C	CYY	Y)	
Not Used	DTM06	1250	Date Time	Period Format Qualifier	X	ID	2/3
			Code indic	ating the date format, time format, or date and	d tim	e form	at
Not Used	DTM07	1251	Date Time	Period	X	AN	1/35
			Expression	of a date, a time, or range of dates, times or	dates	and ti	mes

ITA Allowance, Charge or Service **Segment: Position:** 090 ITA Loop: Level: Summary Optional Usage: Max Use: **Purpose:** To specify allowances, charges, or services **Syntax Notes:** If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required. 2 If ITA08 is present, then ITA09 is required. 3 If either ITA10 or ITA11 is present, then the other is required. 4 If ITA15 is present, then ITA02 is required. **Semantic Notes:** 1 ITA09 is the allowance or charge percent. ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. 3 ITA12 is the quantity of free goods. **Comments:** 1 If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present. 2 ITA02 identifies the source of the code value in ITA03 or ITA15. If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence. 3 ITA13 is used to clarify the allowance, charge, or service. 5 ITA15 specifies the individual code list of the agency specified in ITA02. ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

	Ref.	Data					
	Des.	Element	<u>Name</u>		Att	<u>ribute</u>	<u>es</u>
Must Use	ITA01	248	Allowance or Ch	narge Indicator	M	ID	1/1
			Code which indic	cates an allowance or charge for the ser	vice	specif	ied
			A	Allowance			
			C	Charge			
			N	No Allowance or Charge			
	ITA02	559	Agency Qualifie	r Code	X	ID	2/2
			Code identifying	the agency assigning the code values			
			TI	Telecommunications Industry			
	ITA03	560	Special Services	Code	X	ID	2/10
			Code identifying	the special service			
			See TCIF Sectio	n 10.4 for valid values.			
Must Use	ITA04	331	Allowance or Ch	narge Method of Handling Code	M	ID	2/2
			Code indicating i	nethod of handling for an allowance or	char	ge	
			04	Credit Customer Account			
			06	Charge to be Paid by Customer			
			ZZ	Mutually Defined			

	ITA05	341	Allowance or Charge Number	o	AN	1/16			
			The number assigned by a vendor referencing an allowan deal or charge	ice, j	promo	tion,			
	ITA06	359	Allowance or Charge Rate	O	R	1/9			
			Allowance or Charge Rate per Unit						
	ITA07	360	Allowance or Charge Total Amount	O	N2	1/9			
			Total dollar amount for the allowance or charge						
Not Used	ITA08	378	Allowance/ Charge Percent Qualifier	O	ID	1/1			
			Code indicating on what basis allowance or charge percent	nt is	calcu	lated			
	ITA09	332	Percent	X	R	1/6			
			Percent expressed as a percent						
	ITA10	380	Quantity	X	R	1/15			
			Numeric value of quantity						
	ITA11	355	Unit or Basis for Measurement Code	X	ID	2/2			
			Code specifying the units in which a value is being exprein which a measurement has been taken						
			Refer to code list provided in the ITA segment in Table	2 pc	sition	180.			
Not Used	ITA12	380	Quantity	O	R	1/15			
			Numeric value of quantity						
	ITA13	352	Description	X	AN	1/80			
			A free-form description to clarify the related data elemen content	ts ar	nd thei	ir			
	ITA14	150	Special Charge or Allowance Code	X	ID	3/3			
			Code identifying type of special charge or allowance						
			See TCIF Section 10.4 for valid values.						
Not Used	ITA15	822	Source Subqualifier	O	$\mathbf{A}\mathbf{N}$	1/15			
			A reference that indicates the table or text maintained by Qualifier	the	Source	e			
	ITA16	662	Relationship Code	O	ID	1/1			
			Code indicating the relationship between entities						
			O Information Only						
			Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., comput WATS calculation based upon usage amounts)						

Segment: DTM Date/Time Reference

Position: 100
Loop: ITA
Level: Summary
Usage: Optional

Max Use: 2

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.

2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

			Data E	icincin Summar y			
	Ref.	Data					
	Des.	Element	<u>Name</u>		Att	tribute	<u>es</u>
Must Use	DTM01	374	Date/Time Qu	ıalifier	\mathbf{M}	ID	3/3
			Code specifyir	ng type of date or time, or both date and t	ime		
			007	Effective			
			009	Process			
	DTM02	373	Date		\mathbf{X}	DT	6/6
			Date (YYMM	DD)			
Not Used	DTM03	337	Time		\mathbf{X}	TM	4/8
			or HHMMSSI $(00-59)$, $S = in$	d in 24-hour clock time as follows: HHMD, or HHMMSSDD, where H = hours (00 teger seconds (00-59) and DD = decimal pressed as follows: D = tenths (0-9) and)-23), seco	M = m $nds; de$	ninutes ecimal
Not Used	DTM04	623	Time Code		O	ID	2/2
			Organization s indication in h	ng the time. In accordance with International standard 8601, time can be specified by a cours in relation to Universal Time Coord stricted character, + and - are substituted tow	+ or -	and a (UTC)	n time;
	DTM05	624	Century		O	N0	2/2
			The first two c	characters in the designation of the year (CCY	Y)	
Not Used	DTM06	1250	Date Time Pe	riod Format Qualifier	\mathbf{X}	ID	2/3
			Code indicatin	g the date format, time format, or date an	d tim	e form	at
Not Used	DTM07	1251	Date Time Pe	riod	\mathbf{X}	AN	1/35
			Expression of	a date, a time, or range of dates, times or	dates	and ti	mes

Segment: CTT Transaction Totals

Position: 110

Loop:

Level: Summary Usage: Optional

Max Use: 1

Purpose: To transmit a hash total for a specific element in the transaction set

Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.

2 If either CTT05 or CTT06 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment is intended to provide hash totals to validate transaction

completeness and correctness.

Notes: The number of line items (CTT01) is the accumulation of the number of IT1

segments.

	Ref.	Data	Data Element Summary							
	Des.	Element	Name	Att	ribut	es				
Must Use	· · · · · · · · · · · · · · · · · · ·	354	Number of Line Items	M	N0	1/6				
			Total number of line items in the transaction set							
			Number of IT1 segments in this transaction set.							
	CTT02	347	Hash Total	0	R	1/10				
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: 0018 First occurrence of value being hashed18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed							
			If used, the specified field for the Telecommunications Industry is IT104.							
Not Used	CTT03	81	Weight	X	R	1/10				
			Numeric value of weight							
Not Used	CTT04	355	Unit or Basis for Measurement Code	X	ID	2/2				
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken							
Not Used	CTT05	183	Volume	X	R	1/8				
			Value of volumetric measure							
Not Used	CTT06	355	Unit or Basis for Measurement Code	X	ID	2/2				
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken							

Not Used CTT07 352 Description

O AN 1/80

A free-form description to clarify the related data elements and their content

Segment: **SE** Transaction Set Trailer

Position: 120

Loop:

Level: Summary Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the transmitted

segments (including the beginning (ST) and ending (SE) segments).

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Must Use	Ref. Des. SE01	Data <u>Element</u> 96	Name Number of Included Segments	Att M	ribute N0	e <u>s</u> 1/10
			Total number of segments included in a transaction set is SE segments	nclud	ling S7	Γ and
Must Use	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the functional group assigned by the originator for a transaction.			4/9 on set